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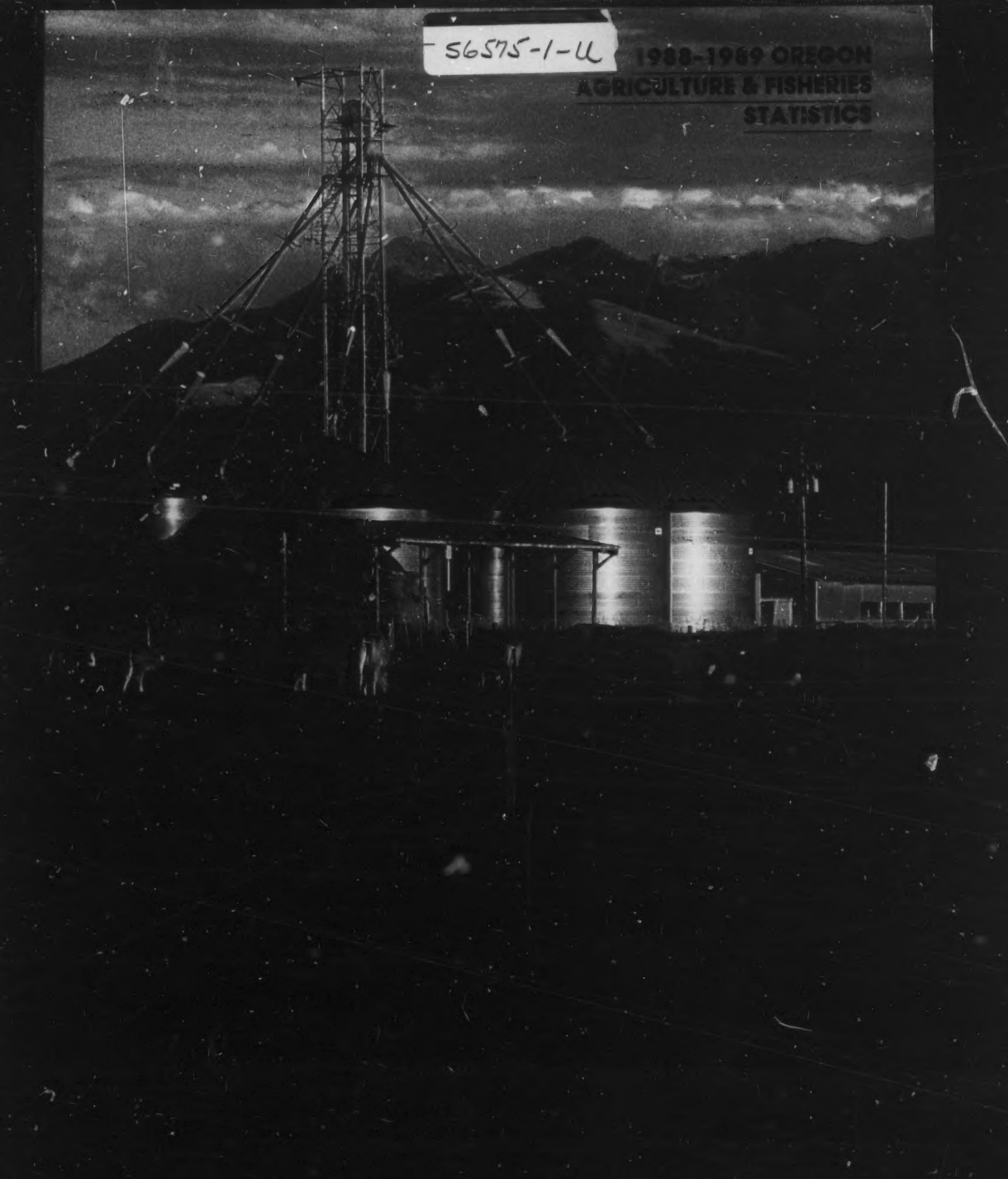
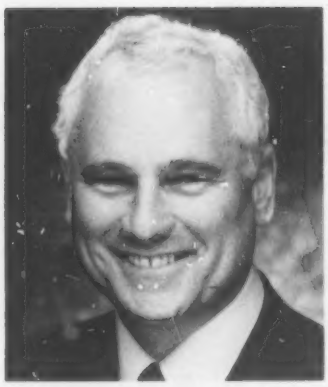
1988-1989 OREGON AGRICULTURE & FISHERIES STATISTICS





In many ways it was a year of firsts for Oregon agriculture. The leading indicators of the health of Oregon's agricultural economy -- value of production and cash receipts -- reached record highs. For the past five years, the value of agricultural production has risen. Clearly, Oregon agriculture has turned the corner, with 1988 standing as proof of the ability of the state's farmers and ranchers to rebound from economic hardship.

The past two years have been good for agriculture in other ways too. Several Oregon food processors expanded their operations, marketing efforts -- especially to Pacific Rim countries -- have resulted in rising Oregon exports, and lottery dollars, funneled through the agricultural opportunities fund, have helped fund special promotions of fresh produce and gourmet food.

These statistics prove, with their detailed picture of Oregon's healthy agricultural industry, that Oregonians can take pride in the remarkable achievements of our farmers and ranchers.

Sincerely,

Neil Goldschmidt
Governor

These statistics tell a sweet story: 1988 was a very good year for Oregon farmers, ranchers and fishermen. Oregon's agricultural and fishery production reached a record value of $2.6 billion last year, a 15 percent jump over 1987.

The statistics show that Oregon farmers led the nation in the production of hazelnuts, caneberries, peppermint and grass seed, and ranked in the top five nationally in the production of nursery products, hops, pears, onions, potatoes, sweet cherries, prunes and plums. In short, farmers reaped a bountiful harvest. But these statistics tell another story.

In 1988 the average Oregon farm had a debt-to-asset ratio of 23.7 percent, the lowest since 1983. That's a sign that farmers and ranchers are gaining equity in their farms and that debts are declining, a testament to Oregon agriculture's diiversity and strength.

Sincerely,

Bruce Andrews
Director, Oregon Department of Agriculture

1988-1989
OREGON AGRICULTURE & FISHERIES STATISTICS

Compiled By

United States Department of Agriculture
Oregon Agricultural Statistics Service

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FOREWORD

Agriculture continues to play a vital role in Oregon's economy. The Annual Oregon Agricultural & Fisheries Statistics Bulletin is designed to provide a comprehensive summary of this diverse industry. The basic historical information provided is used extensively in the production and marketing of all Oregon products. Because of the worldwide use of this publication, we have for the first time added an "international section", which provides Oregon data in metric tons.

This annual bulletin is prepared and published through a special cooperative agreement between the Oregon Department of Agriculture and the Oregon Agricultural Statistics Service. The continuous heavy demand for us to expand the bulletin indicates that this publication is filling a vital need for Oregon agricultural statistical data.

We want to especially thank the many voluntary reporters who provided the basic data for this publication. The cooperation of Oregon farmers, ranchers and agri-business firms has been outstanding and we appreciate their support. We also wish to thank the Oregon State University Extension Service and their county agents for helping supply some of the county and special data.

Sincerely,

Paul M. Williamson

Paul M. Williamson
Sfate Statistician

TABLE OF CONTENTS

GENERAL Page

Oregon Crop Production Summary (Metric) 1
Livestock & Fishery Summary (Metric) 2
Oregon Agricultural Exports Value 2
Metric Conversion Table 3
Oregon Agriculture and Fisheries 1988 4
Gross and Net Income from Farming 4
Oregon's Rank in Agriculture 5
Gross Farm and Ranch Sales by County 6
Government Grain Program Payments 6
Value of Agriculture & Fishery Production 7
Cash Receipts from Marketings 8
Farm Production Expenses 9
Farm Balance Sheet 9
Number of Farms and Land in Farms 10
Crop Reporting District Map 10
Prices Received 11
Prices Paid 12
Climatological Review of 1988 13
Monthly Precipitation and Departures from Normal 14

FIELD CROPS

Summary of 1988 15
Acreage, Production and Value 16
All Wheat, 1870-1988 17
Winter Wheat, by Counties 18
Spring Wheat, by Counties 19
All Wheat, by Counties 20
All Wheat, Irrigated, by Counties 21
Wheat, by Varieties 22
Barley, 1870-1988 23
Barley, by Counties 24
Oats, by Counties 25
Field Corn, by Counties 26
Stocks of Major Grains and Hay 27
Hay, 1910-1988 28
Peppermint, by Area 29
Fertilizer, Commercial Usage 29
Fertilizer, Consumption 29
All Potatoes, 1870-1988 30
All Potatoes, by Counties 31
Potato Disposition 31
Potato Utilization, U.S. 31
Potato Stocks, and Processing, Selected States 32
Potato Production 32
Grass Seed, Production 33
Grass Seed, Acres, Yield, Production & Value 34

FRUIT AND NUTS

Summary of 1988 35
Fruit Production, Price and Value 36
Fruit Production, by Area 37
Processed Utilization 37
Apples and Sweet Cherries, 1890-1988 38
Bartlett and Other Pears, 1925-1988 39
Hazelnuts, Prunes and Plums, 1925-1988 40
Fruit Tree Inventory 41
Vineyard Acreage and Production 42
Winegrapes, by County 43
Wineries, Tonnage Crushed, Use 43

Page

BERRY CROPS

Summary of 1988 44
Acreage, Production & Value 45
Acreage and Production, by Counties 46
All Strawberries, 1920-1988 47

VEGETABLES

Summary of 1988 48
Acreage, Production and Value 49
Acreage and Production, by Counties 50
Snap Beans for Processing, 1920-1988 51
Sweet Corn for Processing, 1934-1988 52
Green Peas for Processing, 1934-1988 53
Onions, Storage, 1934-1988 54

SPECIALTY ITEMS

Cold Storage Holdings 55
Floriculture 56

LIVESTOCK

Livestock Summary 57
Value of Production 58
Livestock Value 58
Cattle & Calf Inventory 1870-1989 59
Cattle & Calf Inventory, Disposition and Income 60
Milk Cows & Production, 1925-1988 61
Milk Cows, Production and Disposition 62
Dairy Products--Marketings, Income and Value 62
Manufactured Dairy Products 63
Hog and Pig Inventory 64
Hog Inventory, Farrowings, Disposition and Income 65
Sheep Inventory 1870-1989 66
Sheep and Lambs Inventory, Disposition and Income 67
Wool Production, Price and Value 68
Mink, Pelts Produced and Females Bred 68
Broilers, Production and Value 68
Turkeys, Production and Value 68
Chickens, Number on Farms 69
Egg Production, Income and Layers 69
Honey & Beeswax 69
Livestock and Poultry Inventory, by Counties 70

FISHERIES

Commercial Fishing, Summary 71
All Landings, Production 72
All Landings, Ex-Vessel Value 72
Fishery Charts 73
All Landings, Value by County 74
All Landings, Production & Value 75
Oyster Production 76
Aquaculture and Mariculture 77
Oregon Vital Fishery Statistics 77

County Extension Directory ..... Back Cover

The cover photo of Bill and Fern Wolfe's cattle ranch in Wallowa County is by Dalton Hobbs, seafood marketing manager with the Oregon Department of Agriculture.

OREGON CROP PRODUCTION SUMMARY, 1988, METRIC UNITS

Crop	Hectares Harvested	Yield per Hectare	Production	Price Per Metric Ton	Total Value
	Hectares	Metric Tons	Metric Tons	U.S. Dollars	U.S. Dollars
FIELD CROPS					
Barley	80,970	3.98	322,400	115	37,000,000
Beans, Dry Edible	3,510	1.97	6,900	558	3,849,000
Corn, Grain	7,690	9.91	76,200	120	9,156,000
Corn, Silage	11,740	49.40	580,000	—	—
Hay, Alfalfa	168,020	9.21	1,547,300	—	—
Hay, All Other	263,160	3.71	975,500	—	—
Hops	3,040	1.64	5,000	3,616	18,081,000
Oats	26,320	3.58	94,300	148	13,975,000
Peas, Aust. Winter	1,210	1.57	1,900	287	546,000
Peppermint	16,190	0.08	1,300	36,702	47,712,000
Potatoes, All	18,220	51.61	940,400	97	91,388,000
Rye	1,210	1.57	1,900	93	176,000
Spearmint	610	0.08	50	31,080	1,554,000
Sugarbeets	5,710	59.86	341,800	—	—
Wheat, All	305,670	4.60	1,407,600	160	225,330,000
Spring	38,460	3.49	134,200	160	21,489,000
Winter	267,210	4.77	1,273,400	160	203,841,000
SEED CROPS					
Alfalfa seed	4,370	0.57	2,500	2,810	7,024,000
Bentgrass seed	4,760	0.38	1,800	5,689	10,241,000
Bluegrass seed	12,270	0.78	9,600	2,284	21,923,000
Clover seed, Crimson	2,850	0.74	2,100	1,214	2,549,000
Clover seed, Red	9,190	0.36	3,300	2,348	7,750,000
Fescue seed, Chewings	5,960	0.79	4,700	1,875	8,813,000
Fescue seed, Red	4,310	0.74	3,200	1,713	5,480,000
Fescue seed, Tall	27,730	1.27	35,100	1,401	49,187,000
Orchardgrass seed	10,450	0.93	9,700	1,369	13,280,000
Ryegrass seed, Annual	44,530	2.05	91,300	471	42,970,000
Ryegrass seed, Perennial	39,320	1.20	47,300	1,145	54,167,000
Sugarbeet seed	1,740	3.05	5,300	1,034	5,480,000
Vegetable/flower seed	3,740	—	—	—	12,533,000
FRUITS AND NUTS					
Apples	4,250	17.60	74,800	266	19,860,000
Blackberries	1,780	8.65	15,400	682	10,498,000
Blueberries	530	8.68	4,600	1,675	7,707,000
Boysenberries	380	6.32	2,400	967	2,320,000
Cherries, Sweet	4,570	11.93	54,500	711	38,756,000
Cherries, Tart	730	2.47	1,800	433	780,000
Cranberries	530	13.21	7,000	955	6,686,000
Filberts/Hazelnuts	10,570	1.40	14,800	939	13,904,000
Grapes	1,380	5.07	7,000	673	4,713,000
Loganberries	100	6.00	600	800	480,000
Peaches	570	11.05	6,300	580	3,657,000
Pears, Bartlett	2,430	25.43	61,800	279	17,223,000
Pears, Other	4,410	29.89	131,800	330	43,486,000
Prunes & Plums	—	—	16,400	154	2,526,000
Raspberries, Black	610	2.79	1,700	768	1,305,000
Raspberries, Red	1,500	5.73	8,600	1,216	10,461,000
Strawberries	3,160	14.56	46,000	683	31,423,000
VEGETABLES					
Asparagus	590	3.39	2,000	925	1,850,000
Beans, Snap	8,790	12.95	113,800	191	21,787,000
Broccoli	1,130	10.44	11,800	510	6,023,000
Carrots	380	61.32	23,300	231	5,373,000
Cauliflower	1,210	18.51	22,400	348	7,796,000
Corn, Sweet	15,950	20.15	321,400	95	30,465,000
Cucumbers	890	27.19	24,200	195	4,712,000
Onions	5,550	54.32	301,500	199	59,934,000
Peas, Green	10,530	3.23	34,000	211	7,188,000

LIVESTOCK AND FISHERY PRODUCTION SUMMARY, 1988, METRIC UNITS[1]

Commodity	Number Marketed	Production	Price Per Metric Ton	Total Dollar Value
		Metric Tons	U.S. Dollars	U.S. Dollars
LIVESTOCK				
Cattle & Calves, All	572,000	230,400	1,450	335,090,000
Cattle	400,000	—	1,410	—
Calves	172,000	—	1,890	—
Hogs & Pigs	186,000	20,300	970	19,730,000
Honey	—	1,400	1,270	1,778,000
Milk Cows on Farms	94,000[2]	—	—	—
Milk per Cow	—	7.25	—	—
Milk Produced	—	681,600	270	186,852,000
Mink (pelts)	255,000	—	42.40 /pelt	10,810,000
Sheep & Lambs, All	288,000	13,900	1,260	17,477,000
Sheep	76,000	—	450	—
Lambs	212,000	—	1,370	—
Wool	—	1,500	2,020	3,034,000
POULTRY				
Broilers	17,300,000	37,700	7,270	274,032,000
Eggs (dozen)	51,416,667	—	0.52 /dz.	26,737,000
Turkeys	1,650,000	13,500	950	12,771,000
DAIRY PRODUCTS				
Butter	—	6,500	—	—
Cheese	—	14,200	—	—
Cottage Cheese	—	12,500	—	—
Ice Cream (liters)	—	28,629,700 /(l)	—	—
Ice Milk (liters)	—	15,418,600 /(l)	—	—
FISH PRODUCTS				
Crab	—	4,300	2,620	11,283,000
Groundfish	—	32,800	760	24,938,000
Oysters (liters)	—	148,900 /(l)	6.02 /(l)	896,329
Salmon	—	8,100	4,820	39,071,000
Shrimp	—	19,000	910	17,366,000
Tuna	—	1,800	1,850	3,329,000
Other Fish	—	1,700	1,210	2,053,000
Fish Hatcheries	—	—	—	5,410,535
Fish Farms	—	—	—	1,309,946

[1] Rounded to nearest 100 tons and nearest 10 dollars per metric ton.
[2] Number of milk cows on Oregon farms.

OREGON AGRICULTURAL EXPORTS VALUE, FISCAL YEARS 1986-1988[1]

Commodity	Fiscal Year Ending September 30			1988 as Percent of Total
	1986	1987	1988	
	Million U.S. Dollars			Percent
Wheat & Products	149.8	143.4	153.4	42.5
Seeds	49.1	49.7	55.5	15.4
Vegetables & Vegetable Preparations	42.1	45.6	53.9	15.0
Fruits & Fruit Preparations	32.7	46.8	52.7	14.6
Tree Nuts	11.4	8.5	11.6	3.2
Dairy Products	4.3	4.3	8.8	2.4
Feed & Fodders	4.3	6.2	6.7	1.9
Live Animals & Red Meat	3.8	4.3	4.0	1.1
Hides & Skins	3.7	4.0	2.7	0.7
Fats, Oils and Greases	1.3	1.1	0.9	0.3
Other*	7.9	9.2	10.4	2.9
Total	310.4	323.1	360.6	100.0

[1] State agricultural export estimates are based on the assumption that if a state contributes a certain percentage of U.S. production for each commodity, it receives the same percentage in export revenues.
*Fish and products are not included and are only available on a Northwest Port basis from the U.S. Department of Commerce.
Source: U.S. Department of Agriculture, Economic Research Service, Foreign Agricultural Trade of the United States, Fiscal Year 1988.

CONVERTING U.S. CUSTOMARY UNITS TO INTERNATIONAL METRIC UNITS

Commodity	Multiply by	Divide by	To Obtain
Barley, bushels		45.9	Metric Tons
Corn, bushels		39.4	Metric Tons
Cranberries, barrels		22.0	Metric Tons
Oats, bushels		68.9	Metric Tons
Rye, bushels		39.4	Metric Tons
Sorghum, bushels		39.4	Metric Tons
Wheat, bushels		36.8	Metric Tons
	DOMESTIC UNITS		
Acres		2.47	Hectares
Yield per Acre	2.47		Yield per Hectare
Fahrenheit, Degrees	(F-32) x 5/9		Degrees Celcius
Gallons	3.78		Liters
Inches	2.54		Centimeters
Pounds		2,205	Metric Tons
Hundredweight		22	Metric Tons
Tons (2,000 lbs.)		1.1	Metric Tons

Oregon Agriculture and Fisheries 1988

Oregon's 1988 agricultural and fishery value of production increased nearly 15 percent over 1987, reaching a total value of nearly $2.6 billion (p.7). Of this total, all agricultural farm production accounted for nearly $2.5 billion or 96 percent of the total. Fishery production accounted for $106 million in value, up nearly one and one-half percent over 1987.

Many Oregon commodities rank very high in the nation, with 27 commodities ranking fifth or better in production or value of production nationally (p.5). Oregon ranked first in production of grass seed, filberts, peppermint and caneberry crops. Second ranked nationally were hops, prunes and plums, sweet cherries, onions and snap beans for processing. Third place rankings were attained with production of strawberries, pears, cauliflower, spearmint, and the value of potted florist azaleas. The state ranked in the top ten producers in cranberries, tart cherries, broccoli, sweet corn for processing, green peas for processing, mink pelt production, barley, sheep and lambs, apples, cucumbers for processing, carrots, grapes, fishery landings, wool production and fall potatoes.

Production value highlights (p.7) show that the top 20 commodities produced over 80 percent of the total value for 1988. Cattle and calves led the way at $335 million, up 16 percent over 1987. Second was greenhouse and nursery products at $252 million, up 19 percent over 1987. Rounding out the top five were all wheat—$225 million, all hay—$219 million, and all milk—$187 million. These five accounted for almost 50 percent of Oregon's agriculture and fishery production value. The top fishery product was salmon landings valued at $39 million, ranking 14th and showing a 45 percent value increase over 1987. The all crop value still leads with 63 percent of the state's value, followed by livestock and poultry products –26 percent, farm forest products—7 percent and fishery products—4 percent.

Cash receipts for agricultural products sold in 1988 jumped to $2.1 billion (excluding farm forest products), an increase of 11 percent over 1987 and the highest Oregon cash receipts on record (p.8).

At the beginning of 1988 the average Oregon farm/ranch had assets worth $277,400 and debts of $65,900, or a debt to asset ratio of 23.7 percent, the lowest since 1983 (p.9). This was the first decline in the ratio after eight consecutive years of increases. In 1979 the ratio was 17.2 percent.

Off-farm income (income earned by farm operators from non-farm sources) hit another record at an average $23,685 per farm, up 12 percent over 1987 (p.4).

The number of farms and ranches moved back up by 500 units for a total of 37,000 for 1989 (p.10). Those units accounted for 17,800,000 acres, the same as for 1988, while size per farm slipped to 481 acres per unit.

The value per acre of farms and ranches in Oregon stabilized in 1989, remaining at $466 (p.10). The recent high value was $705 per acre in 1982 and 1983. The early 1989 value is still the lowest since 1978.

GROSS AND NET INCOME FROM FARMING, OREGON: 1984-1988

Item	1984	1985	1986	1987	1988
			Million Dollars		
Cash Receipts from Farm Marketings	1,806.7	1,748.7	1,788.2	1,895.6	2,108.3
Government Payments	76.1	71.4	127.6	127.4	97.8
Farm Related Income[1]	121.1	136.2	159.9	183.8	207.9
Non-Money Income[2]	288.9	255.1	225.8	213.3	208.0
Value of Inventory Adjustments	-45.5	-2.5	-55.5	-7.8	1.9
Gross Farm Income Total	2,247.3	2,208.9	2,246.0	2,412.3	2,623.9
Production Expenses Total	1,804.6	1,699.7	1,571.1	1,593.4	1,684.5
Net Total Farm Income	442.7	509.2	674.9	818.9	939.4
			Dollars		
Net Farm Income Per Farm	11,965	13,762	18,241	22,132	25,737
Net Business Income Per Farm[3]	9,435	10,076	16,884	19,657	23,189
Off-Farm Income Per Farm[4]	17,597	19,259	20,178	21,143	23,685
			Percent		
Returns to Operators/Total Assets[5]	2.31	3.22	5.32	7.18	8.54

[1] Includes machine hire/custom work, recreational income and other farm business-related income.
[2] Includes value of home consumption and rental value of operator's hired laborers' dwellings.
[3] Net business income includes only cash transactions including depreciation and accidental damage and excludes household accounts. Measures cash available to farms for payment of asset purchases, loan retirement and operator cash income.
[4] Includes off-farm income for members of farm operators' households only.
[5] This can be interpreted as the percentage return on the operator's capital investment. Source: ERS, USDA, State Financial Summary.

OREGON'S RANK IN THE NATION'S AGRICULTURE · 1988

Commodity	Rank Among States	Production	Unit	Metric Tons	Percent of U.S.
FIELD CROPS					
Peppermint	1	2,840,000	Lb.	1,288	53.0
Hops	2	11,025,000	Lb.	5,000	20.2
Spearmint	3	111,000	Lb.	50	6.4
Potatoes, Fall	4	20,735,000	Cwt.	942,500	5.8
Barley	7	14,800,000	Bu.	322,440	5.1
Sugarbeets	11	376,000	Ton	341,818	1.5
All Wheat	13	51,800,000	Bu.	1,407,609	2.9
Oats	12	6,500,000	Bu.	94,340	3.0
Hay, All	21	2,775,000	Ton	2,522,727	2.2
SEED CROPS					
Ryegrass Seed	1	305,642,000	Lb.	138,613	N/A
Fescue Seed	1	94,621,000	Lb.	42,912	N/A
Orchardgrass Seed	1	21,435,000	Lb.	9,721	N/A
Kentucky Bluegrass Seed	1	21,167,000	Lb.	9,600	N/A
BERRIES					
Blackberries	1	33,950,000	Lb.	15,397	N/A
Boysen & Youngberries	1	5,400,000	Lb.	2,449	N/A
Loganberries	1	1,360,000	Lb.	617	N/A
Raspberries, Black	1	3,750,000	Lb.	1,701	N/A
Raspberries, Red	1	19,000,000	Lb.	8,617	N/A
Strawberries	3	101,400,000	Lb.	45,986	8.7
Cranberries	4	154,000	Bbls.	7,000	3.8
FRUIT AND NUTS					
Filberts	1	16,300	Ton	14,818	98.8
Prunes & Plums	2	18,000	Ton	16,364	2.4
Sweet Cherries	2	60,000	Ton	54,545	32.5
Pears, All	3	213,000	Ton	193,636	24.8
Tart Cherries	6	4,000,000	Lb.	1,814	1.7
Apples, All	9	165,000,000	Lb.	74,830	1.8
Grapes	8	7,719	Tons	7,017	0.1
Peaches	19	13,000,000	Lb.	5,896	0.5
VEGETABLES					
Onions, All	2	6,649,000	Cwt.	302,227	13.8
Cauliflower, All	3	495,000	Cwt.	22,500	6.3
Snap Beans, Processing	2	125,210	Ton	113,827	21.3
Broccoli, All	4	260,000	Cwt.	11,818	2.0
Sweet Corn, Processing	4	340,580	Ton	309,618	14.1
Green Peas, Processing	4	37,440	Ton	34,036	12.0
Cucumbers, Processing	9	26,620	Ton	24,200	4.1
Carrots, All	7	513,000	Cwt.	23,318	1.6
FLORICULTURE					
Potted Florist Azaleas	3	4,705	Dollars	N/A	12.5
Total Potted Flowering Plants	11	11,427,000	Dollars	N/A	2.3
Total Bedding/Garden Plants	14	17,262,000	Dollars	N/A	2.4
LIVESTOCK					
Mink Pelts Produced	5	255,000	Pelts	N/A	5.7
Sheep and Lambs[1]	9	475,000	Head	N/A	4.4
Wool Production	10	3,228,000	Lb.	1,464	3.6
Milk Production	22	1,503,000,000	Lb.	681,633	1.0
All Cattle and Calves [1]	27	1,390,000	Head	N/A	1.4
Eggs Produced	28	617,000,000	Egg	N/A	0.9
Hogs and Pigs[2]	32	100,000	Head	N/A	0.2
Trout	N/A	741,000	Lb.	336	1.2

[1] Jan. 1, 1989 Inventory. [2] Dec. 1, 1988 Inventory.

GROSS FARM AND RANCH SALES: By County, 1988[1]

County	All Crops	All Animal Products	Total Sales
		1,000 Dollars	
Baker	7,145	33,102	40,247
Benton	51,068	7,782	58,850
Clackamas	123,769	39,592	163,361
Clatsop	6,166	7,885	14,051
Columbia	18,272	6,126	24,398
Coos	17,589	16,313	33,902
Crook	13,073	15,576	28,649
Curry	7,597	4,168	11,765
Deschutes	6,720	30,286	37,006
Douglas	21,093	19,979	41,072
Gilliam	18,779	4,593	23,372
Grant	5,322	14,182	19,504
Harney	7,103	30,700	37,803
Hood River	41,877	1,594	43,471
Jackson	26,446	16,824	43,270
Jefferson	47,519	7,270	54,789
Josephine	5,519	11,037	16,556
Klamath	45,007	49,705	94,712
Lake	10,829	27,600	38,429
Lane	63,618	23,244	86,862
Lincoln	7,280	1,567	8,847
Linn	114,021	31,218	145,239
Malheur	91,565	52,566	144,131
Marion	233,360	55,395	288,755
Morrow	60,799	34,440	95,239
Multnomah	44,225	1,638	45,863
Polk	62,234	14,035	76,269
Sherman	18,840	3,424	22,264
Tillamook	4,104	58,872	62,976
Umatilla	117,142	37,747	154,889
Union	21,946	9,312	31,258
Wallowa	11,821	13,939	25,760
Wasco	34,239	5,960	40,199
Washington	121,001	17,669	138,670
Wheeler	1,721	4,352	6,073
Yamhill	76,027	31,982	108,009
State Total	1,564,836	741,674	2,306,510

[1] Preliminary.
Source: Extension Economic Information Office, Oregon State University.

GOVERNMENT GRAIN PROGRAM PAYMENTS TO OREGON FARMERS AND RANCHERS: 1984-1988[1]

Commodity	1984	1985	1986	1987	1988
			Million Dollars		
Wheat	40.3	61.3	94.3	70.0	64.4
Feed Grains (Barley, Oats, Corn)	.9	3.0	6.2	13.0	10.4
Total	41.2	64.3	100.5	83.0	74.8

[1] Includes both deficiency and diversion payments. 1984-85 are program year totals. 1986-88 are calendar year totals.

VALUE OF AGRICULTURE AND FISHERY PRODUCTION: By Commodities, 1986-1988[1]

Commodity	Rank 1988	Year of Production			1988 as Percent of all Commodities
		1986	1987	1988	
			1,000 Dollars		Percent
ALL COMMODITIES		2,093,493	2,260,916	2,595,785	100.0
ALL FARM PRODUCTION (excludes Fishery)		2,031,765	2,156,951	2,490,128	95.9
All Crops		1,300,657	1,367,966	1,622,161	62.5
Field Crops		576,341	573,657	710,061	27.4
Greenhouse & Nursery Products		186,737	211,952	252,235	9.7
Seed Crops		167,670	199,766	246,696	9.5
Fruit/Nut Crops		179,655	195,281	216,919	8.4
Vegetable Crops		190,254	187,310	196,250	7.6
All Livestock and Poultry Products		591,569	628,929	682,740	26.3
Forest Products, Farm		139,539	160,056	185,227	7.1
FISHERY PRODUCTS		61,728	103,965	105,657	4.1
Cattle and Calves	1	253,925	288,987	335,090	12.9
Greenhouse & Nursery Products	2	186,737	211,952	252,235	9.7
Wheat, All	3	151,269	151,351	225,330	8.7
Hay, All	4	203,710	204,952	219,225	8.4
Milk, All	5	187,647	187,287	186,852	7.2
Forest Products, Farm	6	139,539	160,056	185,227	7.1
Potatoes, All	7	96,965	89,953	99,638	3.8
Ryegrass Seed	8	63,152	78,844	97,137	3.7
Fescue Seed	9	34,808	41,430	63,480	2.4
Pears, All	10	49,197	43,868	60,709	2.3
Onions, All	11	62,402	61,277	59,934	2.3
Mint	12	29,579	31,939	49,266	1.9
Cherries, All	13	26,147	37,588	39,536	1.5
Salmon Landings, All	14	15,192	27,024	39,071	1.5
Barley	15	35,369	29,722	37,000	1.4
Strawberries	16	29,197	31,520	31,423	1.2
Sweet Corn	17	26,611	27,100	30,465	1.2
Broilers	18	22,752	22,372	27,403	1.1
Eggs	19	29,710	24,988	26,737	1.0
Groundfish Landings, All	20	18,581	25,455	24,938	1.0
Bluegrass Seed	21	15,526	21,128	21,923	0.8
Snap Beans, Processing	22	24,136	20,993	21,787	0.8
Apples	23	11,081	11,145	19,860	0.8
Mushrooms	24	19,003	17,071	19,748	0.8
Hogs	25	25,954	24,793	19,730	0.8
Hops	26	17,609	15,664	18,081	0.7
Sheep & Lambs	27	17,048	22,132	17,477	0.7
Shrimp Landings, All	28	18,464	30,640	17,366	0.7
Sugarbeets	29	12,791	15,445	15,454	0.6
Oats	30	10,260	8,216	13,975	0.5
Hazelnuts	31	10,788	20,554	13,904	0.5
Blackberries	32	17,956	13,849	13,298	0.5
Orchardgrass Seed	33	11,688	12,576	13,280	0.5
Turkeys	34	11,933	12,526	12,771	0.5
Raspberries	35	14,723	13,172	11,766	0.5
Crab Landings, All	36	6,592	8,357	11,283	0.4
Mink	37	10,125	9,405	10,810	0.4
Bentgrass Seed	38	5,544	7,942	10,241	0.4
Corn for Grain	39	8,640	8,712	9,156	0.4
Cauliflower	40	6,909	7,314	7,796	0.3
Red Clover Seed	41	6,826	5,922	7,750	0.3
Blueberries	42	4,040	5,599	7,707	0.3
Aquaculture, All	43	N/A	8,891	7,617	0.3
Green Peas, Processing	44	6,764	8,724	7,188	0.3
Alfalfa Seed	45	5,573	6,043	7,024	0.3
Cranberries	46	5,527	6,376	6,686	0.3
Broccoli	47	5,689	6,134	6,023	0.2
Carrots	48	4,206	3,449	5,373	0.2
Grapes	49	3,612	4,559	4,713	0.2
Cucumbers	50	3,527	3,603	4,712	0.2
Peaches	51	3,554	3,847	3,657	0.1
Tuna, Albacore Landings	52	920	1,674	3,329	0.1
Wool	53	1,723	2,042	3,034	0.1
Plums & Prunes	54	3,064	2,211	2,526	0.1
Honey	55	1,421	1,201	1,778	0.1
Other Livestock and Poultry		29,331	33,196	41,058	1.6
Other Vegetable Crops		31,007	31,645	33,224	1.3
Other Seed Crops		24,553	25,881	25,861	1.0
Other Field & Fruit Crops		11,008	18,696	24,070	0.9
Other Fish Landings		1,979	1,924	2,053	0.1

[1] Data for calendar year.

CASH RECEIPTS FROM FARM MARKETINGS: By Commodities, 1986-1988

Commodity	Year of Production			1988 as % of All Commodities
	1986	1987	1988	
		1,000 Dollars		Percent
ALL COMMODITIES[1] (excludes Fishery)	1,788,221	1,895,555	2,108,269	100.0
All Crops	1,131,523	1,241,574	1,438,613	68.2
Field Crops	422,243	421,469	504,412	23.9
Greenhouse & Nursery Products	186,737	211,952	252,235	12.0
Seed Crops	167,836	199,844	246,696	11.7
Vegetable Crops	172,155	207,830	227,194	10.8
Fruit/Nut Crops	182,552	200,479	208,076	9.9
All Livestock & Poultry Products	656,698	653,981	669,656	31.8
Cattle & Calves	324,044	320,702	328,020	15.6
Greenhouse and Nursery Products	186,737	211,952	252,235	12.0
Forest Products, Farm[2]	139,539	160,567	184,552	N/A
Milk, All	183,182	183,213	181,880	8.6
Wheat, All	156,766	129,142	180,893	8.6
Ryegrass Seed, All	63,152	78,844	97,137	4.6
Onions, All	44,083	80,557	94,802	4.5
Potatoes, All	81,982	89,850	90,752	4.3
Hay, All	64,638	82,725	82,836	3.9
Fescue Seed	34,808	41,430	63,480	3.0
Pears, All	48,487	47,718	53,171	2.5
Mint	29,579	31,939	49,266	2.3
Cherries, All	26,147	37,588	39,536	1.9
Strawberries	29,107	31,520	31,423	1.5
Sweet Corn	26,831	27,100	31,003	1.5
Barley	31,088	26,431	29,136	1.4
Broilers	22,752	22,372	27,403	1.3
Eggs	29,710	24,988	26,737	1.3
Bluegrass Seed	15,526	21,128	21,923	1.0
Snap Beans, Processing	24,136	20,993	21,787	1.0
Hogs	25,932	24,951	19,263	0.9
Apples	14,688	12,542	18,832	0.9
Mushrooms	19,003	18,311	17,464	0.8
Hops	17,609	15,664	17,309	0.8
Sheep & Lambs	16,545	19,385	16,902	0.8
Sugarbeets	12,791	14,432	15,445	0.7
Hazelnuts	10,788	20,548	13,627	0.6
Blackberries	17,956	13,849	13,298	0.6
Orchardgrass Seed	11,688	12,576	13,280	0.6
Turkeys	11,933	12,526	12,771	0.6
Raspberries, All	14,723	13,172	11,766	0.6
Mink	10,125	9,405	10,810	0.5
Bentgrass Seed	5,544	7,942	10,241	0.5
Oats	8,224	7,539	9,132	0.4
Red Clover Seed	6,992	6,000	7,750	0.4
Blueberries	4,040	5,550	7,707	0.4
Cauliflower	6,909	7,314	7,633	0.4
Green Peas, Processing	6,764	8,724	7,188	0.3
Alfalfa Seed	5,573	6,043	7,024	0.3
Corn For Grain	9,457	6,062	6,730	0.3
Cranberries	5,527	6,376	6,686	0.3
Broccoli	5,689	6,134	5,909	0.3
Grapes	3,612	4,559	4,713	0.2
Cucumbers	3,527	3,603	4,712	0.2
Peaches	3,554	3,847	3,657	0.2
Carrots	4,206	3,449	3,472	0.2
Wool	1,723	2,042	3,034	0.1
Crimson Clover Seed	1,800	1,575	2,549	0.1
Plums & Prunes	3,064	2,211	2,526	0.1
Honey	1,421	1,201	1,778	0.1
Other Livestock and Poultry	29,331	33,196	41,058	1.9
Other Vegetable Crops	31,007	31,645	33,224	1.6
Other Field & Fruit Crops	10,968	18,678	24,047	1.1
Other Seed Crops	22,753	24,306	23,312	1.1

[1] Excludes Farm Forest Products which are part of Farm Related Income, p.4.
[2] Includes Christmas trees.

FARM PRODUCTION EXPENSES: 1984-1988

Item	1984	1985	1986	1987	1988
	Million Dollars				
Current Farm Operating Expenses:					
Feed	210.2	192.6	168.9	172.9	223.8
Livestock	50.1	45.4	38.2	59.8	54.1
Seed	35.4	34.4	30.7	30.9	32.3
Fertilizer & Lime	87.2	87.8	75.2	69.2	81.8
Pesticides	63.2	66.2	59.4	60.8	62.5
Fuel & Oil	81.4	75.0	54.6	50.6	51.8
Electricity	32.1	31.8	28.7	35.4	38.1
Repair & Maintenance	90.6	92.8	93.5	94.2	97.0
Hired Labor	197.4	199.2	200.5	219.0	226.8
Non-Real Estate Interest	128.0	94.1	83.7	80.6	83.3
Miscellaneous	216.3	213.1	208.5	212.1	221.9
Total Current Farm Operating Expenses	1,191.9	1,132.4	1,041.9	1,085.5	1,173.4
Depreciation & Consumption of Farm Capital	293.2	257.4	230.9	204.8	203.4
Taxes on Farm Property	59.0	60.7	59.7	59.4	55.9
Interest on Farm Mortgage Debt	201.9	192.7	178.1	178.1	166.9
Net Rent to Non-Farm Landlords	58.6	56.5	60.5	65.6	84.9
Total Farm Production Expenses	1,804.6	1,699.7	1,571.1	1,593.4	1,684.5

Source: USDA, ERS, State Financial Summary, 1988.

FARM BALANCE SHEET (Excluding Farm Households), December 31, 1983-1987[1]

Item	1983	1984	1985	1986	1987
	Million Dollars				
ASSETS					
Total Farm Assets	14,087.6	12,170.0	11,024.1	10,273.9	10,124.5
Real Estate	11,204.7	9,307.6	8,381.1	7,673.5	7,475.7
Livestock & Poultry[2]	725.1	718.6	657.0	633.7	788.6
Machinery & Motor Vehicles	1,417.4	1,371.1	1,270.9	1,196.7	1,121.5
Crops	247.7	274.7	198.4	222.4	188.9
Financial Assets	492.7	497.9	516.7	547.7	549.9
DEBTS					
Total Farm Debt	3,125.6	3,014.1	2,747.4	2,673.6	2,404.4
Real Estate Debt	2,058.8	2,008.1	1,872.7	1,931.2	1,713.4
Non Real Estate Debt	1,066.8	1,006.0	874.7	742.3	691.0
EQUITY	10,962.0	9,155.8	8,276.7	7,600.3	7,720.1
RATIOS					
Debt/Equity	28.5	32.9	33.2	35.2	31.1
Debt/Assets	22.2	24.8	24.9	26.0	23.7

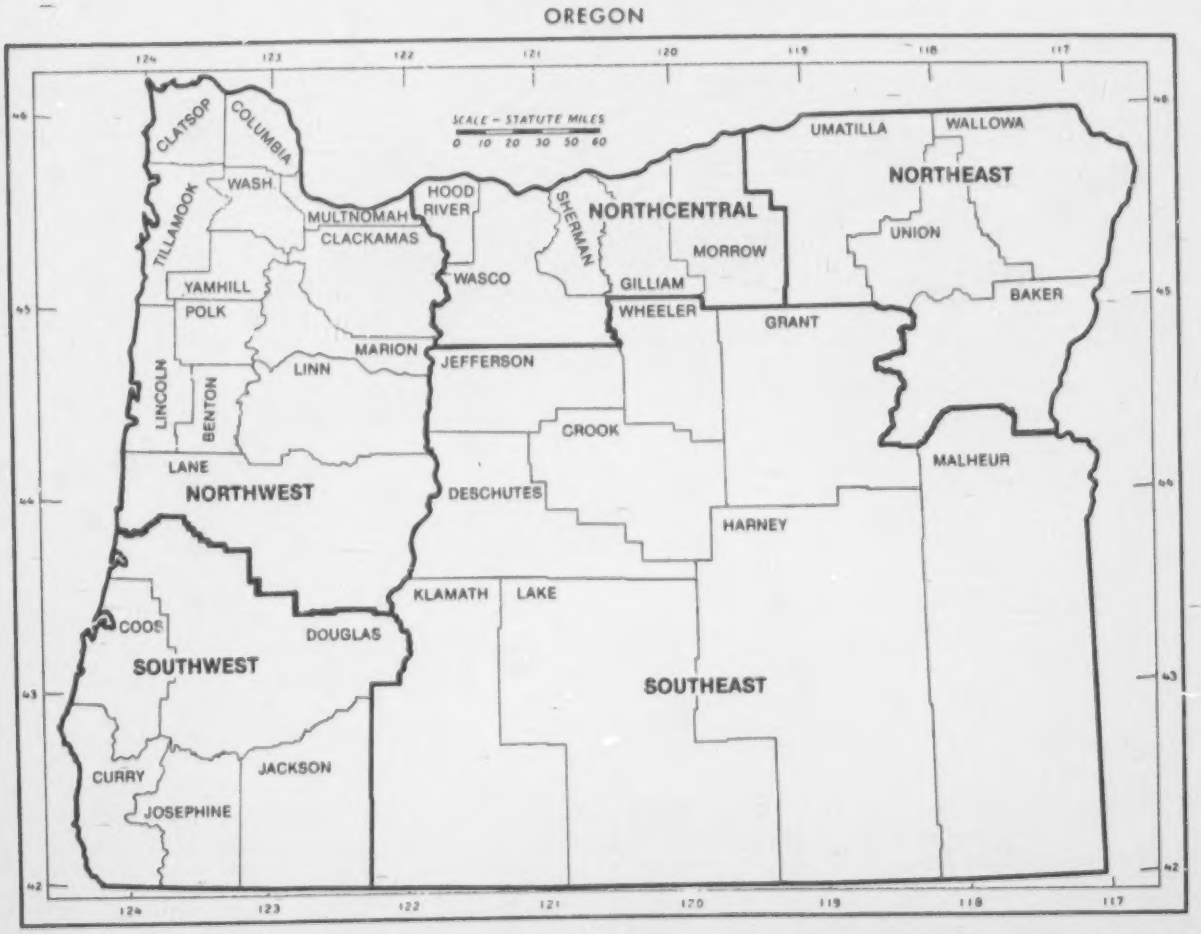
[1] Data are for farms with sales of $1,000 or more annually. Includes only items for farm purposes.
[2] Excludes horses, mules, and broilers.
Source: USDA, ERS, State Financial Summary, 1987.

NUMBER OF FARMS AND LAND IN FARMS: 1972-1989 [1]

Year	Oregon				United States			
	Number of Farms	Land in Farms	Average Size of Farm	Value per Acre[3]	Number of Farms	Land in Farms	Average Size of Farm	Value per Acre[3]
	1,000	1,000 Acres	Acres	Dollars	1,000	1,000 Acres	Acres	Dollars
1972	34.0	19,800	582	186	2,860	1,092,065	382	219
1973	34.0	19,700	579	205	2,823	1,087,923	385	246
1974	34.0	19,600	576	234	2,796	1,084,433	388	302
1975	30.0	18,600	620	250	2,521	1,059,420	420	340
1976	30.0	18,500	617	294	2,497	1,054,075	422	397
1977	30.0	18,400	613	342	2,456	1,047,785	427	474
1978	32.0	18,300	572	414	2,436	1,044,790	429	531
1979	34.0	18,200	535	504	2,432	1,042,015	428	628
1980	35.0	18,100	517	587	2,433	1,038,885	427	737
1981	36.5	18,100	496	668	2,434	1,034,190	425	819
1982	37.0	18,000	486	705	2,401	1,027,795	428	823
1983	37.5	18,000	480	705	2,370	1,024,195	432	788
1984	37.0	18,000	486	698	2,328	1,019,378	438	782
1985	37.0	18,000	486	579	2,275	1,014,383	446	679
1986	37.0	17,900	484	521	2,212	1,007,643	456	595
1987	37.0	17,900	484	479	2,213	998,923	451	547
1988	36.5	17,800	488	466	2,197	994,543	453	564
1989[2]	37.0	17,800	481	466	2,173	991,473	456	597

[1] 1972-74 a farm is defined as any place of 10 or more acres that had annual sales of $50 or more of agricultural products, or any place less than 10 acres that had annual sales of $250 or more. 1975-1989 a farm is defined as a place that sells or would normally sell $1,000 worth of agricultural products.
[2] Preliminary. [3] Farm Real Estate Market Developments—Outlook and Situation Report, ERS, USDA.

Crop Reporting Districts (CRD): Oregon



PRICES RECEIVED BY FARMERS: Specified Products, 1985-1988

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Crop Yr. or Season Average [1]
	ALL WHEAT (Dollars Per Bushel)												
1985	3.56	3.55	3.59	3.63	3.50	3.46	3.16	3.09	3.28	3.41	3.47	3.53	3.38
1986	3.46	3.52	3.58	3.46	3.53	3.07	2.62	2.40	2.43	2.49	2.54	2.60	2.59
1987	2.71	2.78	2.80	2.82	2.81	2.91	2.57	2.54	2.68	2.80	2.66	2.79	2.86
1988	2.89	2.90	2.84	3.06	3.11	3.61	3.74	3.93	3.99	4.16	4.23	4.50	4.35
	APPLES - FRESH (Cents Per Pound)												
1985	9.4	17.2	14.0	12.3	11.6	—	—	—	13.9	14.7	15.6	14.6	15.0
1986	14.6	15.4	15.3	15.7	20.4	—	—	15.5	14.1	11.2	10.6	10.0	12.5
1987	12.3	13.8	13.0	14.3	17.6	—	—	15.5	14.5	7.7	5.2	5.0	12.5
1988	5.5	6.4	5.9	4.4	6.2	—	—	—	22.0	16.6	14.9	14.2	7.7
	POTATOES (Dollars Per Cwt.)												
1985	5.70	5.10	4.60	5.00	5.50	4.50	3.55	3.35	3.40	3.50	3.45	3.70	3.55
1986	3.45	3.35	3.85	3.75	3.75	3.30	4.10	4.75	4.25	4.10	4.15	4.20	4.20
1987	3.90	3.90	4.10	4.35	4.50	4.45	4.45	3.80	3.45	3.55	3.30	3.25	3.45
1988	3.50	3.60	3.60	3.50	3.20	2.90	3.35	4.05	4.20	3.85	4.70	4.65	4.80
	ALL HAY, BALED (Dollars Per Ton)												
1985	71.00	75.00	79.00	74.00	77.00	76.00	74.00	74.00	74.00	77.00	74.00	78.00	76.50
1986	79.00	81.00	75.00	77.00	77.00	74.00	72.00	71.00	69.00	66.00	67.00	67.00	65.00
1987	62.00	60.00	55.00	52.00	54.00	63.00	63.00	69.00	71.00	74.00	73.00	69.00	68.00
1988	68.00	60.00	59.00	59.00	67.00	70.00	75.00	73.00	75.00	76.00	80.00	80.00	79.00
	ALFALFA HAY, BALED (Dollars Per Ton)												
1985	84.00	89.00	92.00	88.00	92.00	90.00	90.00	87.00	86.00	89.00	86.00	94.00	N/A
1986	95.00	95.00	93.00	92.00	92.00	83.00	79.00	82.00	79.00	77.00	74.00	76.00	N/A
1987	70.00	65.00	61.00	59.00	60.00	70.00	70.00	75.00	75.00	80.00	77.00	79.00	N/A
1988	75.00	68.00	65.00	65.00	75.00	80.00	85.00	83.00	87.00	87.00	91.00	94.00	N/A
	BARLEY (Dollars Per Bushel)												
1985	2.42	2.44	2.39	2.27	2.35	2.22	1.93	1.85	2.05	1.95	2.09	2.16	2.00
1986	2.12	2.01	1.90	1.87	2.10	1.84	1.61	1.48	1.60	1.74	1.74	1.75	1.70
1987	1.85	1.90	1.87	1.89	1.97	1.89	1.84	1.81	1.88	1.92	1.98	1.94	1.93
1988	2.04	2.00	1.79	1.71	1.89	2.45	2.50	2.52	2.42	2.43	2.43	2.50	2.50
	OATS (Dollars Per Bushel)												
1985	2.03	1.92	1.96	1.99	1.96	2.01	1.57	1.42	1.37	1.38	1.38	1.37	1.35
1986	1.39	1.34	1.32	1.32	1.22	1.09	1.02	1.02	1.09	1.26	1.52	1.62	1.35
1987	1.63	1.58	1.50	1.44	1.45	1.50	1.36	1.43	1.50	1.66	1.71	1.68	1.58
1988	1.61	1.59	1.54	1.58	1.49	1.69	2.25	2.27	2.27	2.27	2.09	2.03	2.15
	BEEF CATTLE (Dollars Per Cwt.)												
1985	47.70	53.80	52.50	52.80	51.50	45.30	42.00	47.00	43.90	44.20	45.30	42.20	46.50
1986	43.40	45.80	46.50	41.70	39.90	40.90	44.90	49.10	45.10	47.20	48.40	47.20	45.50
1987	54.20	55.40	59.40	56.50	54.00	56.40	54.80	62.80	60.70	56.20	56.90	60.10	57.80
1988	61.10	57.50	68.00	63.20	62.70	57.30	62.30	67.20	62.90	64.20	61.30	66.00	64.00
	LAMBS (Dollars Per Cwt.)												
1985	60.20	62.10	64.20	65.30	63.90	65.00	65.90	66.50	68.40	67.70	66.90	62.10	65.60
1986	61.80	61.20	61.30	64.80	63.50	68.80	68.90	63.90	62.50	63.80	66.20	70.40	65.90
1987	73.70	75.00	73.70	77.00	79.40	81.70	78.50	73.90	71.70	69.10	68.00	69.90	75.80
1988	74.00	79.50	75.80	71.10	66.00	60.50	58.50	55.60	58.10	62.40	64.50	64.80	62.30
	MILK, SOLD TO PLANTS, ALL (Dollars Per Cwt.)												
1985	14.20	14.00	13.50	13.20	12.80	12.30	12.30	12.10	12.40	12.70	12.80	12.80	12.80
1986	12.60	12.40	12.20	12.10	12.00	11.90	12.00	12.20	12.60	12.90	13.20	13.20	12.40
1987	13.20	12.90	12.50	12.20	11.90	12.00	12.10	12.20	12.50	12.60	12.70	12.60	12.40
1988	12.50	12.20	11.90	11.60	11.40	11.30	11.40	11.70	12.20	12.70	13.20	13.40	12.10
	MILK, SOLD TO PLANTS, ALL: Fat Test (Percent)												
1985	3.94	3.92	3.84	3.76	3.67	3.66	3.64	3.65	3.81	3.89	3.98	3.99	3.80
1986	3.90	3.84	3.80	3.74	3.71	3.63	3.65	3.68	3.77	3.83	3.88	3.89	3.76
1987	3.87	3.81	3.78	3.71	3.61	3.62	3.63	3.68	3.72	3.81	3.85	3.90	3.74
1988	3.91	3.87	3.82	3.77	3.70	3.66	3.65	3.66	3.74	3.78	3.86	3.88	3.77

[1] Crop year begins with month to right of heavy line.

PRICES PAID BY FARMERS: Specified Products, Mid-Month, 1985-1988

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	CHICK STARTER (Dollars Per Ton)											
1985	195	196	197	197	197	192	192	195	200	190	185	190
1986	195	195	*	184	—	—	185	—	—	197	—	—
1987	176	—	—	164	—	—	221	—	—	172	—	—
1988	184	—	—	183	—	—	255	—	—	232	—	—
	BROILER GROWER (Dollars Per Ton)											
1985	200	197	199	199	199	205	210	210	215	205	200	196
1986	200	190	*	184	—	—	194	—	—	184	—	—
1987	181	—	—	193	—	—	221	—	—	171	—	—
1988	179	—	—	174	—	—	234	—	—	225	—	—
	LAYING FEED (Dollars Per Ton)											
1985	178	170	170	170	177	186	200	199	205	185	175	175
1986	180	183	*	163	—	—	170	—	—	159	—	—
1987	155	—	—	167	—	—	180	—	—	153	—	—
1988	151	—	—	155	—	—	227	—	—	203	—	—
	TURKEY GROWER (Dollars Per Ton)											
1985	195	199	195	195	190	197	210	210	220	200	190	185
1986	176	178	*	205	—	—	220	—	—	205	—	—
1987	200	—	—	200	—	—	203	—	—	203	—	—
1988	221	—	—	201	—	—	256	—	—	267	—	—
	DAIRY FEED - 16% PROTEIN (Dollars Per Ton)											
1985	175	170	165	170	175	175	176	173	175	163	161	162
1986	166	160	*	157	—	—	155	—	—	144	—	—
1987	147	—	—	142	—	—	149	—	—	146	—	—
1988	152	—	—	153	—	—	188	—	—	192	—	—
	SOYBEAN MEAL - 44% PROTEIN (Dollars Per Cwt.)											
1985	16.00	16.50	15.00	15.00	15.00	14.00	14.50	13.50	14.00	13.50	14.00	14.50
1986	15.00	15.50	*	16.40	—	—	15.10	—	—	17.00	—	—
1987	16.90	—	—	16.50	—	—	17.20	—	—	16.70	—	—
1988	18.50	—	—	19.00	—	—	21.50	—	—	21.40	—	—
	COTTONSEED MEAL - 41% PROTEIN (Dollars Per Cwt.)											
1985	15.00	15.00	15.00	15.00	14.50	15.00	14.00	14.50	13.00	13.00	13.00	13.50
1986	14.00	14.00	*	13.10	—	—	13.30	—	—	13.70	—	—
1987	13.90	—	—	13.90	—	—	14.30	—	—	15.00	—	—
1988	15.30	—	—	15.50	—	—	17.30	—	—	16.70	—	—
	GASOLINE, UNLEADED, SERVICE STATION (Dollars Per Gallon)											
1985	1.20	1.20	1.20	1.18	1.21	1.25	1.20	1.22	1.22	1.21	1.21	1.18
1986	1.20	1.15	*	.996	—	—	.945	—	—	.890	—	—
1987	.86	—	—	.90	—	—	.97	—	—	1.02	—	—
1988	.95	—	—	.95	—	—	.98	—	—	.96	—	—
	GASOLINE, REGULAR, BULK DELIVERY (Dollars Per Gallon)											
1985	1.10	1.09	1.07	1.08	1.12	1.13	1.13	1.11	1.12	1.11	1.11	1.10
1986	1.12	1.11	*	.888	—	—	.866	—	—	.800	—	—
1987	.81	—	—	.89	—	—	.90	—	—	.96	—	—
1988	.89	—	—	.90	—	—	.94	—	—	.93	—	—
	DIESEL FUEL (Dollars Per Gallon)											
1985	.91	.90	.87	.88	.90	.90	.90	.89	.88	.88	.91	.94
1986	.95	.88	*	.634	—	—	.544	—	—	.590	—	—
1987	.64	—	—	.60	—	—	.69	—	—	.81	—	—
1988	.72	—	—	.74	—	—	.73	—	—	.68	—	—

* State estimates discontinued as of March 1. Pacific Region estimates quarterly thereafter.

1988 Climatological Review

January

Cool weather continued through the first week of January in much of Oregon. Heavy rains in western Oregon were accompanied by very strong winds mid-month. Total precipitation was below average over most of the state. The driest areas compared to normal were the northwest and Harney Basin. Snowfall accumulation in the mountains was typical, but snowpack remained below normal everywhere.

February

Drought conditions continued with one of the driest Februarys on record. Temperatures were near to above average in the Willamette Valley and further above average at higher elevations. Low snowpack and early melting meant not all reservoirs were expected to fill.

March

March temperatures averaged above normal. Precipitation was above average in northern Oregon and much below average in southern Oregon. Snowpack continued to decrease relative to normal, except near Mt. Hood. Forest and rangeland was much drier than usual.

April

Unusually heavy rainfall and persistently wet weather halted the continuing decline of soil moisture during April. Some eastern locales recorded the wettest April on record. Grain crops, particularly in the Columbia Basin, benefited immensely from the timely, frequent and generous precipitation. Summer streamflows were still predicted to be below normal because average temperatures were above normal.

May

Drought conditions eased further in western Oregon, as abundant May precipitation continued a wet spring. In eastern Oregon, the southeast and the eastern Cascade foothills were drier than average. Snowpack continued very low and streams in the south and east carried considerably less water than usual. Temperatures were a little cooler than average, except along the coast and in the southeast.

June

Cloudy, wet and very cool conditions prevailed over Oregon during the first ten days of June; warmer, drier weather dominated thereafter. While the southeast continued to suffer from the effects of drought, many western areas were experiencing too much rain. Record June snows contributed little to the much below average seasonal totals. Frost on the 29th-30th caused some damage in eastern Oregon.

July

Cooler and wetter than normal conditions continued into July. The northeast had thunderstorms and good amounts of precipitation. Western areas also were wetter than normal. Record-breaking overnight lows occurred in eastern Oregon's mountains during the second week. By mid-month temperatures began warming. During the last two weeks, daytime high temperatures above 100 degrees began rapidly advancing crop development.

August

Warmer than normal temperatures continued for the first few days of August. The rest of the month was cooler than average. Most areas of the state received significant precipitation. During the last week, western Oregon warmed to above normal, while minimum temperatures dipped below freezing in the northeast.

September

The first half of September was very hot with almost no precipitation recorded anywhere in Oregon. Many sites in the west recorded record high temperatures for the month. The latter part of the month brought cooler temperatures and the onset of damp fall weather. Minimum temperatures below freezing were common in the northeast.

October

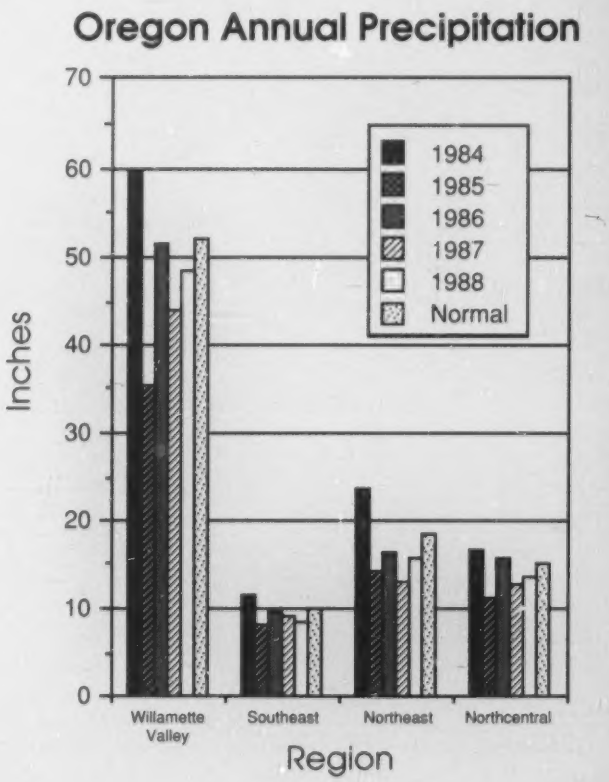
October was warmer and drier than normal. Fall grain seeding was slowed by dry soil conditions and growers were concerned about Russian wheat aphids in fields that were emerged in the Columbia Basin.

November

November's precipitation totals were well above normal. By mid-month soil moisture conditions were much improved. Temperatures also averaged above normal. Much snow accumulated at higher elevations. The last week of the month even brought snowfall to the coastal mountains.

December

With the exception of a clear, dry spell the second week of December, the month was mostly cooler than normal and most areas received about normal precipitation.

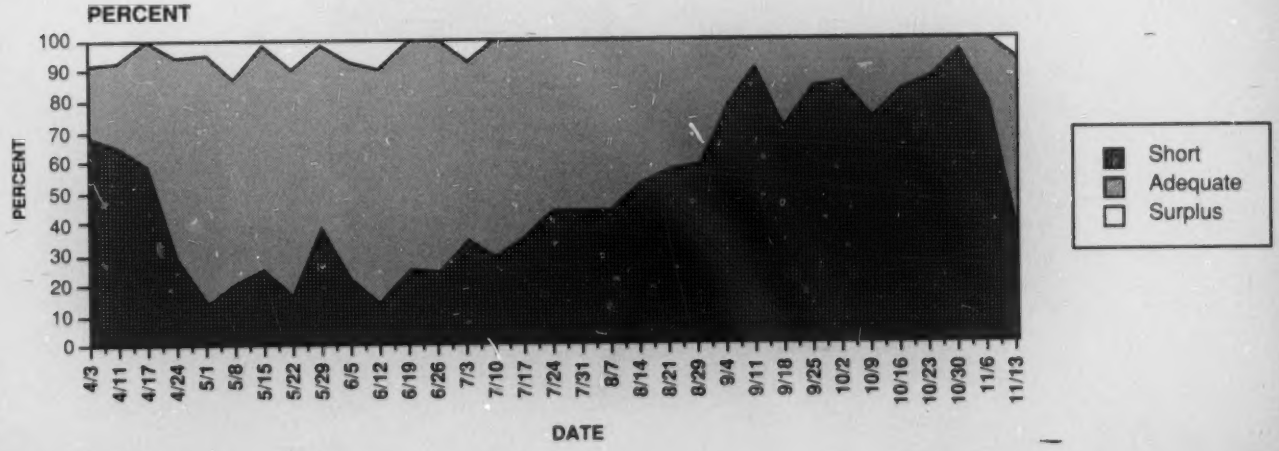


PRECIPITATION: Monthly Totals With Annual Departures From Normal, 1988

Area Station	Monthly Precipitation												Annual	
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total	Departure*
COASTAL AREA														
Astoria	6.57	3.60	7.86	3.99	4.09	3.50	0.96	0.88	1.23	2.14	13.06	7.32	55.20	-14.40
Brookings	13.07	3.24	5.02	6.01	6.51	2.60	0.28	0.00	0.63	0.74	8.85	7.88	54.83	-21.39
Laurel Mountain	14.75	2.28	9.88	6.28	6.95	2.64	2.12	0.28	2.24	3.05	29.31	9.81	89.59	N/A
Newport	13.50	2.37	6.82	4.01	7.21	2.23	1.12	0.36	1.61	1.42	17.03	7.10	64.78	-9.84
North Bend	13.93	2.32	4.76	3.69	5.30	2.47	0.49	0.01	1.86	0.50	18.25	9.10	62.70	1.56
WILLAMETTE VALLEY														
Eugene	8.72	1.59	4.78	5.65	3.71	2.37	0.11	0.04	1.22	0.11	14.27	5.18	47.75	1.71
Portland AP	4.95	1.17	3.13	4.57	2.53	2.34	0.69	0.10	1.76	0.19	7.92	2.37	31.72	-5.67
Salem	6.78	0.75	3.34	3.56	2.39	1.97	0.03	0.00	0.98	0.12	9.50	3.23	32.65	-7.70
SOUTHWESTERN VALLEY														
Grants Pass	5.63	0.18	1.00	2.06	2.22	1.21	0.00	0.06	0.04	0.03	9.42	2.73	24.58	-8.03
Medford AP	2.53	0.20	0.57	1.07	1.51	1.04	0.00	0.02	0.22	0.12	5.14	1.28	13.70	-6.14
Roseburg	5.87	1.07	3.02	2.51	2.24	2.03	0.00	T	0.69	0.15	9.29	2.91	29.78	-3.57
NORTHCENTRAL														
Heppner	2.34	0.08	1.06	4.65	1.59	1.03	0.02	0.00	0.52	0.02	3.14	0.60	15.05	1.46
Hermiston	0.97	0.01	0.98	2.16	0.76	0.50	0.01	0.00	0.65	0.00	1.51	0.69	8.24	-0.63
Hood River	5.03	1.07	3.71	1.99	0.71	0.96	0.12	0.00	0.51	0.01	10.80	2.31	27.22	-3.63
Moro	1.60	0.21	1.25	2.21	0.55	1.02	0.04	0.00	0.56	0.02	2.51	0.22	10.19	-1.19
Pendleton AP	1.86	0.12	0.95	2.47	1.56	0.31	0.01	0.00	0.31	0.10	2.16	0.37	10.22	-1.98
SOUTHCENTRAL														
Burns	0.78	0.19	0.64	1.22	0.55	0.96	0.04	0.23	0.41	0.00	2.58	1.01	8.61	N/A
Klamath Falls 2SSW	2.35	0.13	0.51	0.98	1.17	1.02	0.00	0.01	0.11	0.00	4.23	1.23	11.74	-1.91
Lakeview	1.77	0.24	0.37	3.38	0.93	0.54	0.08	0.00	0.38	0.00	4.04	1.33	13.06	-2.74
Madras 2 N	1.72	0.23	0.67	1.65	0.25	1.47	T	T	0.29	T	2.79	0.44	9.51	N/A
Redmond AP	0.92	0.28	0.25	1.17	0.38	1.01	0.00	0.33	0.13	0.00	2.36	0.52	7.35	-1.19
NORTHEAST														
Baker	0.66	0.53	0.21	0.61	1.00	2.66	0.08	0.56	0.25	0.02	1.73	1.37	9.68	-0.95
Enterprise 2S	1.14	1.06	1.69	2.78	2.85	1.95	0.32	0.53	0.63	0.28	2.05	0.48	15.76	N/A
La Grande	1.96	1.71	1.16	1.58	1.60	2.05	T	0.12	0.84	0.20	2.56	1.27	15.05	-3.74
Ukiah	2.15	0.49	1.20	1.74	2.06	1.48	0.01	0.32	0.58	0.03	2.56	1.51	14.13	-2.77
Union	0.83	1.03	1.21	1.51	1.96	1.83	0.03	0.14	0.58	0.19	1.98	0.46	11.75	-2.26
SOUTHEAST														
Malheur Exp. Sta.	1.25	0.14	0.26	0.75	0.50	0.65	0.06	T	0.04	0.00	2.45	1.48	7.58	-2.43
Ontario	1.17	0.09	0.24	0.84	0.94	0.41	0.09	T	0.06	0.00	2.31	2.17	8.32	-1.28

*NOTE: Departure from average is based on 1951-1980 average. SOURCE: Department of Commerce, National Weather Service.
T - Trace
NA - Not Available

Oregon Soil Moisture 1988



Field Crops

Planting of the state's 1988 winter wheat crop began at a normal pace in early September of 1987. However, dry weather in September and October forced some growers to "dust in" their seed, hoping for rain later. By mid October topsoil was rated as short in all counties. That condition continued for three consecutive weeks. As a result, fall plantings were delayed and emergence was very poor. By November 1, only a third of the winter wheat planted had emerged, compared to 72 percent for a normal emergence on that date.

The winter of 87-88 was rather mild and dry, with warmer than normal soil temperatures. Dry conditions continued into the spring of 1988. Rains finally came the last half of April, and by May 1 there was a definite improvement to most crops. By mid May most grain crops looked very good, although development was somewhat behind normal. By June 1st, 37 percent of the winter wheat crop had headed, compared with 47 percent on average. Additional precipitation and cool weather continued into June and the crop filled well. Harvesting was somewhat later than average but progressed rapidly in August, and by the end of August, harvest was nearly finished.

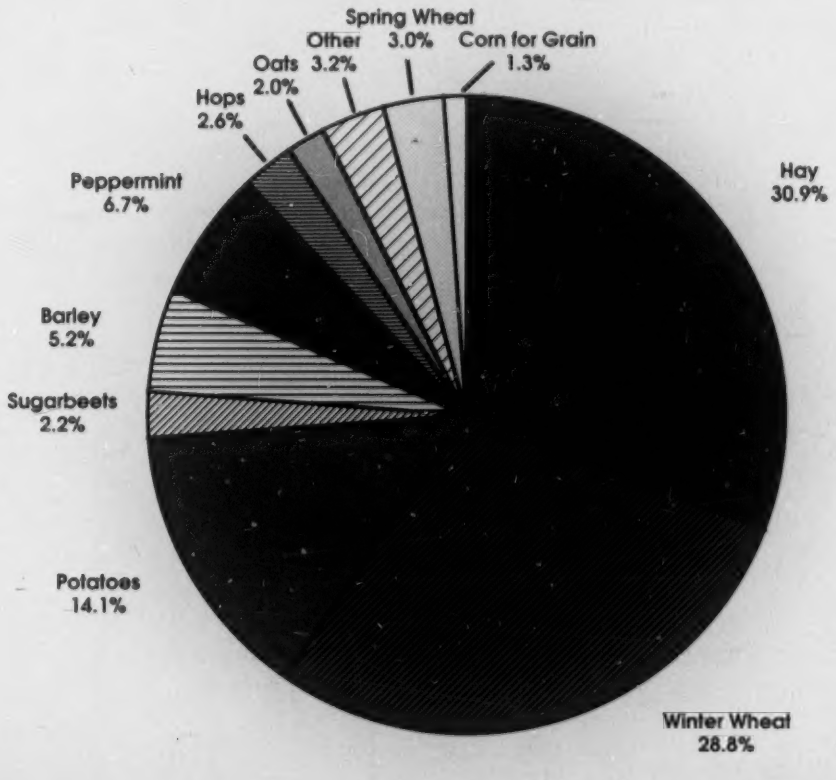
The record high winter wheat yield in 1988, at 71.0 bushels per acre, surpassed by 5 bushels the previous high set in 1987. However, due mostly to government programs, harvested acreage dropped to the lowest level since 1970. Winter wheat production for 1988 amounted to 46.9 million bushels, 5 percent below the 1987 total and the lowest production since 1977.

Spring wheat yields in 1988 averaged 52.0 bushels per acre, a decline of 5 bushels from the record high set in 1987. Acres harvested for grain, on the other hand, increased from 60,000 acres in 1987 to 95,000 acres in 1988. Production of spring wheat in 1988 at 4.9 million bushels was up 44 percent because of the increase in acreage. Barley yields were a record high 74.0 bushels per acre in 1988, up 4 bushels from the previous record high set in 1987. This was more than offset by a 20,000 acre decline in harvested acres, bringing total production to 4 percent below the previous year. Oat producers also experienced record high yields in 1988 with an average of 100.0 bushels per acre, 20 bushels above the 1987 average. With the oat acreage remaining steady at 65,000 acres in 1988, production increased 25 percent. Oregon's average corn for grain yield in 1988, at 158.0 bushels per acre, was down 7 bushels from 1987, due largely to irrigation water shortages in some eastern Oregon counties.

Production of all hay in 1988 at 2.8 million tons is down 8 percent from 1987. Harvested acres were down 55,000 acres and average yields were down slightly.

Production of sugarbeets for sugar during 1988 in Oregon totaled 376,000 tons, 11 percent below the previous year. Lower yields more than offset an increase in acres harvested. Oregon potato production at 20.7 million hundredweight was down 20 percent from 1987. Both acres harvested and average yields were lower in 1988. Production of peppermint in 1988 at 2.8 million pounds was up 16 percent from 1987 as acres harvested and average yields increased.

VALUE OF PRODUCTION: PERCENT OF TOTAL, BY FIELD CROPS, OREGON, 1988



MAJOR FIELD CROPS: Acreage, Production and Value, 1987-1988

Crop and Year	Acreage		Yield Per Acre	Unit	Production	Average Price Per Unit	Value of Production
	Planted	Harvested					
	1,000 Acres				1,000 Units	Dollars	Million Dollars
Wheat, Winter							
1987	780	750	66.0	Bu.	49,500	2.86	141.6
1988	700	660	71.0	Bu.	46,860	4.35	203.8
Wheat, Spring							
1987	65	60	57.0	Bu.	3,420	2.86	9.8
1988	100	95	52.0	Bu.	4,940	4.35	21.5
Wheat, All							
1987	845	810	65.3	Bu.	52,920	2.86	151.4
1988	800	755	68.6	Bu.	51,800	4.35	225.3
Barley							
1987	250	220	70.0	Bu.	15,400	1.93	29.7
1988	225	200	74.0	Bu.	14,800	2.50	37.0
Oats							
1987	90	65	80.0	Bu.	5,200	1.58	8.2
1988	95	65	100.0	Bu.	6,500	2.15	14.0
Corn for Grain [1]							
1987	55	24	165.0	Bu.	3,960	2.20	8.7
1988	50	19	158.0	Bu.	3,002	3.05	9.2
Corn, Silage							
1987	—	30	24.0	Ton	720	—	N/A
1988	—	29	22.0	Ton	638	—	N/A
Rye							
1987	20	4	30.0	Bu.	120	1.50	.2
1988	15	3	25.0	Bu.	75	2.35	.2
Sugarbeets							
1987	13.9	13.7	30.8	Ton	422	36.60	15.5
1988	14.3	14.1	26.7	Ton	376	—	[2] 15.4
Potatoes, Malheur County							
1987	7.0	6.8	410	Cwt.	2,788	4.05	11.3
1988	6.6	6.4	375	Cwt.	2,400	3.70	8.8
Potatoes, Other Oregon							
1987	49.0	48.2	480	Cwt.	23,136	3.40	78.7
1988	39.4	38.6	475	Cwt.	18,335	4.95	90.8
Potatoes, All							
1987	56.0	55.0	471	Cwt.	25,924	3.45	90.0
1988	46.0	45.0	461	Cwt.	20,735	4.80	99.6
Hops							
1987	—	6.0	1,470	Lb.	8,800	1.78	15.7
1988	—	7.5	1,470	Lb.	11,025	1.64	18.1
Austrian Peas							
1987	4.0	3.0	1,400	Cwt.	42	7.00	.3
1988	5.0	3.0	1,400	Cwt.	42	13.00	.5
Alfalfa Hay							
1987	—	430	4.20	Ton	1,806	—	N/A
1988	—	415	4.10	Ton	1,702	—	N/A
Other Hay							
1987	—	690	1.75	Ton	1,208	—	N/A
1988	—	650	1.65	Ton	1,073	—	N/A
All Hay							
1987	—	1,120	2.69	Ton	3,014	68.00	205.0
1988	—	1,065	2.61	Ton	2,775	79.00	219.2
Peppermint							
1987	—	35.5	69	Lb.	2,450	12.40	30.4
1988	—	40.0	71	Lb.	2,840	16.80	47.7
Spearmint							
1987	—	1.5	75	Lb.	113	13.80	1.6
1988	—	1.5	74	Lb.	111	14.00	1.6
TOTAL SELECTED CROPS							
1987	—	2,388.7	—		—	—	556.6
1988	—	2,247.1	—		—	—	687.9

[1] Corn planted for all purposes.
[2] U.S. price used to derive value, Oregon value available January 1990.

ALL WHEAT: Acreage, Yield, Production and Value, 1870-1988

Year	Acreage		Yield	Production	Season Average Price	Value of Production
	Planted	Harvested				
	1,000 Acres		Bushels	1,000 Bushels	Dollars	1,000 Dollars
1870	—	115	20.0	2,300	—	—
1875	—	255	19.0	4,845	—	—
1880	—	465	20.0	9,300	—	—
1885	—	585	18.0	10,530	—	—
1890	—	590	17.0	10,030	—	—
1895	—	685	20.0	13,700	—	—
1900	—	865	13.7	11,890	—	—
1905	—	670	18.2	12,195	—	—
1910	—	715	19.5	13,938	.88	12,265
1915	—	960	22.0	21,090	.86	18,137
1920	1,073	1,049	20.8	21,795	1.94	42,282
1925	1,614	964	19.6	18,893	1.34	25,317
1930	1,136	1,027	23.0	23,621	.74	17,480
1935	1,082	878	17.7	15,503	.72	11,162
1940	890	839	20.2	16,960	.66	11,194
1945	970	921	23.7	21,810	1.45	31,624
1946	1,050	984	25.6	25,168	1.77	44,548
1947	1,063	976	22.8	22,232	2.19	48,688
1948	1,100	1,052	28.5	29,954	2.01	60,208
1949	1,214	1,058	21.5	22,598	1.98	44,942
1950	997	952	24.9	23,693	2.05	48,570
1951	1,159	1,063	28.2	29,972	2.17	65,039
1952	1,215	1,167	27.4	32,016	2.16	69,155
1953	1,270	1,220	28.1	34,298	2.12	72,711
1954	928	888	29.5	26,196	2.17	56,845
1955	876	824	26.6	21,899	2.03	44,455
1956	919	816	31.4	25,607	2.03	51,982
1957	786	745	36.0	26,788	2.04	54,647
1958	861	821	34.3	28,147	1.81	50,946
1959	838	800	35.8	28,608	1.80	51,494
1960	838	793	33.6	26,626	1.81	48,193
1961	832	796	25.9	20,602	1.89	38,938
1962	751	687	36.8	25,264	1.97	49,770
1963	829	789	35.5	27,998	1.90	53,196
1964	840	791	34.6	27,385	1.33	36,422
1965	942	806	35.2	28,399	1.36	38,751
1966	806	757	33.8	25,558	1.58	40,382
1967	1,063	1,030	31.6	32,575	1.42	46,257
1968	1,012	954	30.9	29,434	1.28	37,669
1969	817	772	38.2	29,502	1.31	38,647
1970	735	673	39.7	26,717	1.46	39,007
1971	809	768	44.9	34,500	1.43	49,335
1972	918	879	41.9	36,848	2.05	75,539
1973	1,125	1,032	34.9	35,976	4.65	167,288
1974	1,324	1,265	41.7	52,745	4.44	234,188
1975	1,310	1,255	46.2	58,040	3.78	219,391
1976	1,370	1,333	45.2	60,301	2.79	168,240
1977	1,308	1,230	38.7	47,620	2.77	131,908
1978	1,285	1,225	42.4	51,925	3.51	182,257
1979	1,450	1,245	46.0	57,310	3.79	217,205
1980	1,410	1,350	57.3	77,400	3.98	308,052
1981	1,300	1,260	59.0	74,330	3.84	285,427
1982	1,260	1,200	52.9	63,500	4.02	255,270
1983	1,170	1,085	60.4	65,570	3.69	241,953
1984	1,200	1,115	61.8	68,945	3.47	239,240
1985	1,140	1,065	52.6	56,040	3.38	189,415
1986	1,070	1,025	57.0	58,405	2.59	151,269
1987	845	810	65.3	52,920	2.86	151,351
1988	800	755	68.6	51,800	4.35	225,330

WINTER WHEAT: Acreage, Yield and Production, by County, 1987-1988

District and County	1987				1988			
	Acreage		Yield Per Acre	Production	Acreage		Yield Per Acre	Production
	Planted	Harvested			Planted	Harvested		
	Acres		Bushels		Acres		Bushels	
NORTHWEST:								
Benton	13,100	12,900	70.0	903,000	12,600	12,200	94.0	1,146,800
Clackamas	9,700	9,400	83.0	770,800	10,400	9,900	97.0	960,300
Columbia	500	500	90.0	45,000	700	600	90.0	54,000
Lane	7,300	7,200	79.0	568,800	7,300	6,900	98.0	676,200
Linn	16,500	15,700	75.0	1,177,500	15,100	14,600	87.0	1,270,200
Marion	22,600	21,300	85.0	1,810,500	18,900	18,000	96.0	1,728,000
Multnomah	1,700	1,700	85.0	144,500	1,700	1,600	100.0	160,000
Polk	29,000	28,200	75.0	2,115,000	28,700	27,700	90.0	2,493,000
Washington	19,000	18,600	79.0	1,469,400	22,100	21,100	100.0	2,110,000
Yamhill	33,400	32,500	74.0	2,405,000	30,000	29,000	95.0	2,755,000
TOTAL	152,800	148,000	77.1	11,409,500	147,500	141,600	94.3	13,353,500
NORTH CENTRAL:								
Gilliam	79,200	75,000	46.0	3,450,000	83,000	79,500	52.0	4,134,000
Morrow	112,000	109,000	60.0	6,540,000	81,500	71,000	63.0	4,473,000
Sherman	78,000	77,000	49.0	3,775,200	77,300	72,500	55.0	3,987,500
Wasco	48,300	46,500	59.0	2,743,500	47,300	43,500	70.0	3,045,000
TOTAL	317,500	307,500	53.7	16,508,700	289,100	266,500	58.7	15,639,500
NORTHEAST:								
Baker	4,100	3,900	70.0	273,000	3,100	3,000	73.0	219,000
Umatilla	221,500	212,000	71.0	15,052,000	191,000	185,000	65.4	12,090,000
Union	30,500	28,000	71.0	1,988,000	20,800	20,500	82.0	1,681,000
Wallowa	8,100	7,800	58.0	452,400	7,100	7,000	73.0	511,000
TOTAL	264,200	251,700	70.6	17,765,400	222,000	215,500	67.3	14,501,000
SOUTHWEST:								
Douglas	2,300	2,300	80.0	184,000	2,400	2,400	87.0	208,800
Jackson	2,000	1,900	60.0	114,000	1,900	1,900	83.0	157,700
Josephine	100	100	55.0	5,500	100	100	60.0	6,000
TOTAL	4,400	4,300	70.6	303,500	4,400	4,400	84.7	372,500
SOUTHEAST:								
Crook	2,300	1,500	80.0	120,000	3,900	1,700	80.0	136,000
Deschutes	500	500	100.0	50,000	200	200	95.0	19,000
Grant	400	300	62.0	18,600	500	400	50.0	20,000
Harney	900	700	48.0	33,600	100	—	—	—
Jefferson	7,100	6,400	100.0	640,000	8,300	8,100	110.0	891,000
Klamath	500	500	95.0	47,500	1,400	1,400	65.0	91,000
Lake	1,800	1,700	45.0	76,500	2,300	1,500	40.0	60,000
Malheur	24,800	24,400	99.5	2,426,700	18,400	17,000	100.0	1,700,000
Wheeler	2,800	2,500	40.0	100,000	1,800	1,700	45.0	76,500
TOTAL	41,100	38,500	91.2	3,512,900	37,000	32,000	93.5	2,993,500
STATE TOTAL	780,000	750,000	66.0	49,500,000	700,000	660,000	71.0	46,860,000

SPRING WHEAT: Acreage, Yield and Production, by County, 1987-1988

District and County	1987				1988			
	Acreage		Yield Per Acre	Production	Acreage		Yield Per Acre	Production
	Planted	Harvested			Planted	Harvested		
	Acres		Bushels		Acres		Bushels	
NORTHWEST:								
Benton	500	500	41.0	20,500	300	300	45.0	13,500
Clackamas	500	500	52.0	26,000	100	100	70.0	7,000
Columbia	100	100	45.0	4,500	—	—	—	—
Lane	700	600	42.0	25,200	200	200	75.0	15,000
Linn	1,500	1,500	40.0	60,000	400	400	57.0	22,800
Marion	1,300	1,200	61.0	73,200	1,100	1,000	67.0	67,000
Polk	1,500	1,500	35.0	52,500	900	900	63.0	56,700
Washington	1,000	900	50.0	45,000	900	900	68.0	61,200
Yamhill	1,600	1,500	45.0	67,500	1,000	1,000	66.0	66,000
TOTAL	8,700	8,300	45.1	374,400	4,900	4,800	64.4	309,200
NORTH CENTRAL:								
Gilliam	9,000	8,000	34.0	272,000	7,500	7,000	35.0	245,000
Morrow	4,000	4,000	60.0	240,000	34,500	33,000	47.7	1,574,800
Sherman	1,000	1,000	25.0	25,000	7,700	7,500	45.0	337,500
Wasco	2,700	2,500	45.0	112,500	4,700	4,500	45.0	202,500
TOTAL	16,700	15,500	41.9	649,500	54,400	52,000	45.4	2,359,800
NORTHEAST:								
Baker	800	700	68.0	47,600	1,100	1,000	56.0	56,000
Umatilla	10,500	10,000	51.6	516,000	11,700	11,000	50.0	550,000
Union	4,500	4,000	65.0	260,000	6,200	6,000	48.0	288,000
Wallowa	3,600	3,000	55.0	165,000	3,700	3,500	54.0	189,000
TOTAL	19,400	17,700	55.9	988,600	22,700	21,500	50.4	1,083,000
SOUTHWEST:								
Douglas	200	200	40.0	8,000	100	100	70.0	7,000
Jackson	200	100	45.0	4,500	200	100	80.0	8,000
TOTAL	400	300	41.7	12,500	300	200	75.0	15,000
SOUTHEAST:								
Crook	1,400	1,100	95.0	104,500	600	500	95.0	47,500
Deschutes	600	500	70.0	35,000	600	600	95.0	57,000
Grant	—	—	—	—	200	100	80.0	8,000
Harney	300	300	55.0	16,500	100	100	40.0	4,000
Jefferson	6,000	5,500	76.0	418,000	4,200	3,800	90.0	342,000
Klamath	7,700	7,500	79.0	592,500	7,700	7,500	61.0	457,500
Lake	800	700	35.0	24,500	500	400	30.0	12,000
Malheur	2,800	2,500	80.0	200,000	3,600	3,500	70.0	245,000
Wheeler	200	100	40.0	4,000	200	—	—	—
TOTAL	19,800	18,200	76.6	1,395,000	17,700	16,500	71.1	1,173,000
STATE TOTAL	65,000	60,000	57.0	3,420,000	100,000	95,000	52.0	4,940,000

ALL WHEAT: Acreage, Yield and Production, by County, 1987-1988

District and County	1987				1988			
	Acreage		Yield Per Acre	Production	Acreage		Yield Per Acre	Production
	Planted	Harvested			Planted	Harvested		
	Acres		Bushels		Acres		Bushels	
NORTHWEST:								
Benton	13,600	13,400	68.9	923,500	12,900	12,500	92.8	1,160,300
Clackamas	10,200	9,900	80.5	796,800	10,500	10,000	96.7	967,300
Columbia	600	600	82.5	49,500	700	600	90.0	54,000
Lane	8,000	7,800	76.2	594,000	7,500	7,100	97.4	691,200
Linn	18,000	17,200	71.9	1,237,500	15,500	15,000	86.2	1,293,000
Marion	23,900	22,500	83.7	1,883,700	20,000	19,000	94.5	1,795,000
Multnomah	1,700	1,700	85.0	144,500	1,700	1,600	100.0	160,000
Polk	30,500	29,700	73.0	2,167,500	29,600	28,600	89.2	2,549,700
Washington	20,000	19,500	77.7	1,514,400	23,000	22,000	98.7	2,171,200
Yamhill	35,000	34,000	72.7	2,472,500	31,000	30,000	94.0	2,821,000
TOTAL	161,500	156,300	75.4	11,783,900	152,400	146,400	93.3	13,662,700
NORTHCENTRAL:								
Gilliam	88,200	83,000	44.8	3,722,000	90,500	86,500	50.6	4,379,000
Morrow	116,000	113,000	60.0	6,780,000	116,000	104,000	58.2	6,047,800
Sherman	79,000	78,000	48.7	3,800,200	85,000	80,000	54.1	4,325,000
Wasco	51,000	49,000	58.3	2,856,000	52,000	48,000	67.7	3,247,500
TOTAL	334,200	323,000	53.1	17,158,200	343,500	318,500	56.5	17,999,300
NORTHEAST:								
Baker	4,900	4,600	69.7	320,600	4,200	4,000	68.8	275,000
Umatilla	232,000	222,000	70.1	15,568,000	202,700	196,000	64.5	12,640,000
Union	35,000	32,000	70.3	2,248,000	27,000	26,500	74.3	1,969,000
Wallowa	11,700	10,800	57.2	617,400	10,800	10,500	66.7	700,000
TOTAL	283,600	269,400	69.6	18,754,000	244,700	237,000	65.8	15,584,000
SOUTHWEST:								
Douglas	2,500	2,500	76.8	192,000	2,500	2,500	86.3	215,800
Jackson	2,200	2,000	59.3	118,500	2,100	2,000	82.9	165,700
Josephine	100	100	55.0	5,500	100	100	60.0	6,000
TOTAL	4,800	4,600	68.0	316,000	4,700	4,600	84.2	387,500
SOUTHEAST:								
Crook	3,700	2,600	86.3	224,500	4,500	2,200	83.4	183,500
Deschutes	1,100	1,000	90.0	90,000	800	800	95.0	76,000
Grant	400	300	62.0	18,600	800	500	56.0	28,000
Harney	1,200	1,000	50.1	50,100	200	100	40.0	4,000
Jefferson	13,100	11,900	88.9	1,058,000	12,500	11,900	103.6	1,233,000
Klamath	8,200	8,000	80.0	640,000	9,100	8,900	61.6	548,500
Lake	2,600	2,400	42.1	101,000	2,800	1,900	37.9	72,000
Malheur	27,600	26,900	97.5	2,621,700	22,000	20,500	94.9	1,945,000
Wheeler	3,000	2,600	40.0	104,000	2,000	1,700	45.0	76,500
TOTAL	60,900	56,700	86.6	4,907,900	54,700	48,500	85.9	4,166,500
STATE TOTAL	845,000	810,000	65.3	52,920,000	800,000	755,000	68.6	51,800,000

ALL WHEAT IRRIGATED: Acreage, Yield and Production, by County, 1987-1988

District and County	1987				1988			
	Acreage		Yield Per Acre	Production	Acreage		Yield Per Acre	Production
	Planted	Harvested			Planted	Harvested		
	Acres		Bushels		Acres		Bushels	
NORTHWEST:								
Benton	1,000	1,000	65.0	65,000	700	700	90.0	63,000
Clackamas	200	200	80.0	16,000	300	300	85.0	25,500
Lane	1,800	1,800	84.2	151,600	1,000	800	87.8	70,200
Linn	2,600	2,600	91.2	237,000	1,700	1,700	80.0	136,000
Marion	8,500	7,900	89.7	708,400	4,100	4,000	91.9	367,500
Polk	100	100	60.0	6,000	400	400	88.8	35,500
Washington	1,100	1,100	76.8	84,500	1,200	1,200	99.2	119,000
Yamhill	1,000	1,000	76.1	76,100	300	300	105.0	31,500
TOTAL	16,300	15,700	85.6	1,344,600	9,700	9,400	90.2	848,200
NORTH CENTRAL:								
Gilliam	1,600	1,600	60.0	96,000	1,700	1,700	76.5	130,000
Morrow	22,300	22,300	109.4	2,439,100	21,600	14,800	114.5	1,694,400
Sherman	1,000	1,000	105.0	105,000	400	400	95.0	38,000
Wasco	5,000	4,900	67.1	329,000	5,600	5,500	69.1	380,100
TOTAL	29,900	29,800	99.6	2,969,100	29,300	22,400	100.1	2,242,500
NORTHEAST:								
Baker	4,300	4,000	73.8	295,100	2,600	2,500	76.4	191,000
Umatilla	46,300	45,500	96.4	4,386,600	40,600	40,000	95.8	3,831,100
Union	14,700	14,100	75.6	1,065,300	10,500	10,500	82.7	867,900
Wallowa	4,400	4,200	73.9	310,400	3,800	3,700	78.2	289,300
TOTAL	69,700	67,800	89.3	6,057,400	57,500	56,700	91.3	5,179,300
SOUTHWEST:								
Douglas	300	300	66.0	19,800	—	—	—	—
Jackson	500	500	72.0	36,000	400	400	102.5	41,000
TOTAL	800	800	69.8	55,800	400	400	102.5	41,000
SOUTHEAST:								
Crook	3,400	2,600	86.3	224,500	4,400	2,200	83.4	183,500
Deschutes	1,000	1,000	85.0	85,000	800	800	95.0	76,000
Grant	200	200	75.5	15,100	400	400	57.5	23,000
Harney	300	300	55.0	16,500	100	100	40.0	4,000
Jefferson	11,300	10,700	95.2	1,018,200	11,500	11,200	107.2	1,200,500
Klamath	8,000	7,800	81.4	635,000	8,900	8,900	61.6	548,500
Lake	600	500	50.0	25,000	700	500	41.0	20,500
Malheur	25,500	24,800	103.4	2,563,800	21,300	20,000	96.4	1,928,000
TOTAL	50,300	47,900	95.7	4,583,100	48,100	44,100	90.3	3,984,000
STATE TOTAL	167,000	162,000	92.7	15,010,000	145,000	133,000	92.4	12,295,000

ALL WHEAT VARIETIES: Planted Acres, 1988 and 1989

Varieties by Class	% of All Wheat		Planted Acres [1]		1989 Planted Acres by District [2]				
	1988	1989	1988	1989	NW	NC	NE	SW	SE
Soft White Winter									
Stephens	70.0	69.7	559,600	662,000	111,000	283,000	227,000	1,000	40,000
Malcolm	.7	5.0	5,700	47,500	11,800	24,500	6,200	2,700	2,300
Hill - 81	6.6	4.2	53,200	40,000	24,700	2,300	12,600	400	—
Daws	1.9	1.5	15,300	14,100	7,600	500	5,800	—	200
Yamhill	1.1	1.0	8,800	9,700	9,100	—	100	500	—
Dusty	1.1	.9	8,900	8,400	—	4,800	3,600	—	—
Nugains	.6	.4	4,400	3,700	—	—	700	—	3,000
McDermid	.1	.3	800	2,400	—	1,100	200	—	1,100
Hyslop	.1	.2	800	1,800	1,700	—	—	100	—
Gaines	*	.1	300	1,300	—	1,000	100	—	200
Goldcoin	.1	.1	600	500	—	200	—	—	300
Lukes	*	*	100	400	—	—	400	—	—
Other & Unknown	.1	.4	1,200	3,600	1,100	1,400	500	—	600
Total	82.4	83.8	659,700	795,400	167,000	318,800	257,200	4,700	47,700
Soft White Spring									
Dirkwin	4.8	4.0	38,300	38,400	1,000	33,100	3,000	—	1,300
Owens	2.3	2.2	18,100	21,200	6,500	2,500	9,400	100	2,700
Twin	2.0	1.7	16,100	16,300	200	12,100	2,500	100	1,400
Bliss	.1	.6	2,100	5,600	—	—	2,000	—	3,600
Adams	*	.2	200	1,800	—	1,600	—	—	200
Fieldwin	.1	.1	700	1,200	—	600	200	—	400
Fielder	.1	.1	700	800	100	—	500	—	200
Waverly	.1	.1	900	700	—	500	100	—	100
WS-1	.1	.1	500	500	200	—	200	—	100
Other & Unknown	*	.1	100	600	—	—	400	—	200
Total	9.8	9.2	77,700	87,100	8,000	50,400	18,300	200	10,200
White Club									
Crew	2.6	2.0	20,500	19,000	—	16,500	2,500	—	—
Tres	.9	1.8	7,400	17,300	—	8,300	8,900	—	100
Faro	.1	.1	500	1,200	—	800	400	—	—
Tyee	—	.1	—	900	—	—	900	—	—
Moro	.2	*	1,900	400	—	400	—	—	—
Jacmar	.4	—	3,000	—	—	—	—	—	—
Other & Unknown	.1	.1	700	800	—	700	100	—	—
Total	4.3	4.1	34,000	39,600	—	26,700	12,800	—	100
All White Wheat	96.5	97.1	771,400	922,100	175,000	395,900	288,300	4,900	58,000
Hard Red Winter									
Ute	.8	.3	6,100	3,000	—	3,000	—	—	—
Other & Unknown	*	.2	200	2,000	—	1,500	—	—	500
Total	.8	.5	6,300	5,000	—	4,500	—	—	500
Hard Red Spring									
Westbred 906R	.9	.9	7,400	8,100	—	3,000	400	100	4,600
Yecoro Rojo	1.0	.4	7,900	4,200	—	—	400	—	3,800
Kodiak	.1	.1	500	800	—	400	400	—	—
Other & Unknown	.2	.3	1,900	2,800	—	1,000	1,600	—	200
Total	2.2	1.7	17,700	15,900	—	4,400	2,800	100	8,600
All Red Wheat	3.0	2.2	24,000	20,900	—	8,900	2,800	100	9,100
Durum									
Westbred 881	.1	.7	1,100	6,600	—	1,800	4,600	—	200
Other & Unknown	.4	*	3,500	400	—	100	300	—	—
Total	.5	.7	4,600	7,000	—	1,900	4,900	—	200
All Wheat	100.0	100.0	800,000	950,000	175,000	406,700	296,000	5,000	67,300

* Less than .1 percent. [1] Preliminary 1989 planted acreage estimates. [2] NW: Benton, Clackamas, Clatsop, Columbia, Lane, Lincoln, Linn, Marion, Multnomah, Polk, Tillamook, Washington, Yamhill. NC: Gilliam, Hood River, Morrow, Sherman, Wasco. NE: Baker, Umatilla, Union, Wallowa. SW: Coos, Curry, Douglas, Jackson, Josephine. SE: Crook, Deschutes, Grant, Harney, Jefferson, Klamath, Lake, Malheur, Wheeler.

BARLEY: Acreage, Yield, Production and Value, 1870-1988

Year	Acreage		Yield	Production	Season Average Price	Value of Production
	Planted	Harvested				
	1,000 Acres		Bushels	1,000 Bushels	Dollars	1,000 Dollars
1870	—	7	30.5	214	.75	160
1875	—	20	29.0	580	.80	464
1880	—	29	29.0	841	.67	563
1885	—	35	29.5	1,032	.49	506
1890	—	42	27.5	1,155	.70	808
1895	—	55	22.5	1,238	.40	495
1900	—	66	28.0	1,848	.42	776
1905	—	92	28.5	2,622	.52	1,363
1910	—	100	23.0	2,300	.63	1,449
1915	—	85	25.0	2,125	.55	1,169
1920	—	67	27.5	1,842	1.24	2,284
1925	—	84	28.0	2,352	.69	1,623
1930	90	72	31.2	2,246	.48	1,078
1935	142	112	27.0	3,024	.47	1,421
1940	263	213	25.0	5,325	.50	2,662
1945	285	257	29.5	7,582	1.06	8,037
1946	302	278	34.0	9,452	1.32	12,477
1947	323	300	35.5	10,650	1.68	17,892
1948	381	351	34.5	12,110	1.19	14,411
1949	297	274	32.0	8,768	1.16	10,171
1950	362	337	32.0	10,784	1.25	13,480
1951	362	337	31.0	10,447	1.39	14,521
1952	304	276	38.0	10,488	1.56	16,361
1953	328	301	38.0	11,438	1.19	13,611
1954	558	527	37.0	19,499	1.17	22,814
1955	614	559	32.0	17,888	.99	17,709
1956	620	570	37.5	21,375	1.04	22,230
1957	651	616	35.5	21,868	.98	21,431
1958	618	585	34.0	19,890	1.01	20,089
1959	598	538	36.5	19,637	1.01	19,833
1960	514	457	36.0	16,452	1.03	16,946
1961	519	484	34.5	16,698	1.06	17,700
1962	467	407	43.5	17,704	1.01	17,881
1963	481	427	39.0	16,653	.98	16,320
1964	462	393	40.5	15,916	1.05	16,712
1965	439	369	46.0	16,974	1.08	18,332
1966	452	410	41.0	16,810	1.16	19,500
1967	298	266	32.5	8,645	1.11	9,596
1968	336	279	37.5	10,462	1.01	10,567
1969	444	399	44.0	17,556	.94	16,503
1970	440	395	46.0	18,170	1.03	18,715
1971	392	355	51.0	18,105	1.08	19,553
1972	281	250	48.0	12,000	1.45	17,400
1973	270	230	40.0	9,200	2.41	22,172
1974	215	190	45.0	8,550	2.98	25,479
1975	200	177	51.0	9,027	2.53	22,838
1976	195	174	50.0	8,700	2.36	20,532
1977	210	190	47.0	8,930	1.89	16,878
1978	225	200	54.0	10,800	1.91	20,628
1979	180	160	52.0	8,320	2.47	20,550
1980	170	155	65.0	10,075	2.97	29,923
1981	220	205	60.0	12,300	2.52	30,996
1982	260	250	62.0	15,500	2.22	34,410
1983	280	270	61.0	16,470	2.59	42,657
1984	290	280	62.0	17,360	2.37	41,143
1985	360	350	55.0	19,250	2.00	38,500
1986	375	365	57.0	20,805	1.70	35,369
1987	250	220	70.0	15,400	1.93	29,722
1988	225	200	74.0	14,800	2.50	37,000

BARLEY: Acreage, Yield and Production, by County, 1987-1988

District and County	1987				1988			
	Acreage		Yield Per Acre	Production	Acreage		Yield Per Acre	Production
	Planted	Harvested			Planted	Harvested		
	Acres		Bushels		Acres		Bushels	
NORTHWEST:								
Benton	600	500	60.0	30,000	400	400	75.0	30,000
Clackamas	700	600	65.0	39,000	600	600	85.0	51,000
Columbia	600	500	60.0	30,000	300	300	75.0	22,500
Lane	1,100	1,000	60.0	60,000	800	800	80.0	64,000
Linn	1,800	1,500	60.0	90,000	800	800	77.0	61,600
Marion	1,100	1,000	65.0	65,000	1,000	700	75.0	52,500
Multnomah	400	300	60.0	18,000	700	700	70.0	49,000
Polk	2,200	2,000	63.0	126,000	1,900	1,800	80.0	144,000
Washington	800	700	55.0	38,500	800	800	80.0	64,000
Yamhill	2,600	2,400	63.0	151,200	2,100	2,000	75.0	150,000
TOTAL	11,900	10,500	61.7	647,700	9,400	8,900	77.4	688,600
NORTHCENTRAL:								
Gilliam	15,000	14,000	50.0	700,000	13,400	12,000	61.0	732,000
Morrow	17,000	15,500	50.0	775,000	12,500	12,000	67.0	804,000
Sherman	20,700	18,200	50.0	910,000	18,800	18,000	66.0	1,188,000
Wasco	9,000	6,000	60.0	360,000	9,900	9,100	70.0	637,000
TOTAL	61,700	53,700	51.1	2,745,000	54,600	51,100	65.8	3,361,000
NORTHEAST:								
Baker	5,000	4,500	78.4	353,000	4,400	4,200	80.0	336,000
Umatilla	67,500	60,000	77.1	4,623,400	46,800	45,000	75.0	3,375,000
Union	13,900	12,000	73.0	876,000	11,600	11,000	70.0	770,000
Wallowa	22,000	19,800	67.0	1,326,600	21,000	19,000	74.0	1,406,000
TOTAL	108,400	96,300	74.5	7,179,000	83,800	79,200	74.3	5,887,000
SOUTHWEST:								
Douglas	300	300	60.0	18,000	400	300	70.0	21,000
Jackson	1,700	1,500	60.0	90,000	2,100	1,700	70.0	119,000
Josephine	100	100	55.0	5,500	500	300	60.0	18,000
TOTAL	2,100	1,900	59.7	113,500	3,000	2,300	68.7	158,000
SOUTHEAST:								
Crook	1,700	1,200	90.0	108,000	3,000	1,200	95.0	114,000
Deschutes	500	500	85.0	42,500	1,100	500	77.0	38,500
Grant	300	200	55.0	11,000	400	300	65.0	19,500
Harney	6,800	3,900	55.0	214,500	7,600	3,500	55.0	192,500
Jefferson	1,600	1,500	100.0	150,000	2,500	1,500	120.0	180,000
Klamath	32,000	30,000	90.0	2,699,300	39,100	36,000	85.0	3,060,000
Lake	6,500	6,000	50.0	300,000	8,000	6,600	60.0	396,000
Malheur	15,000	13,000	88.0	1,144,000	11,000	7,700	85.0	654,500
Wheeler	1,500	1,300	35.0	45,500	1,500	1,200	42.0	50,400
TOTAL	65,900	57,600	81.9	4,714,800	74,200	58,500	80.4	4,705,400
STATE TOTAL	250,000	220,000	70.0	15,400,000	225,000	200,000	74.0	14,800,000

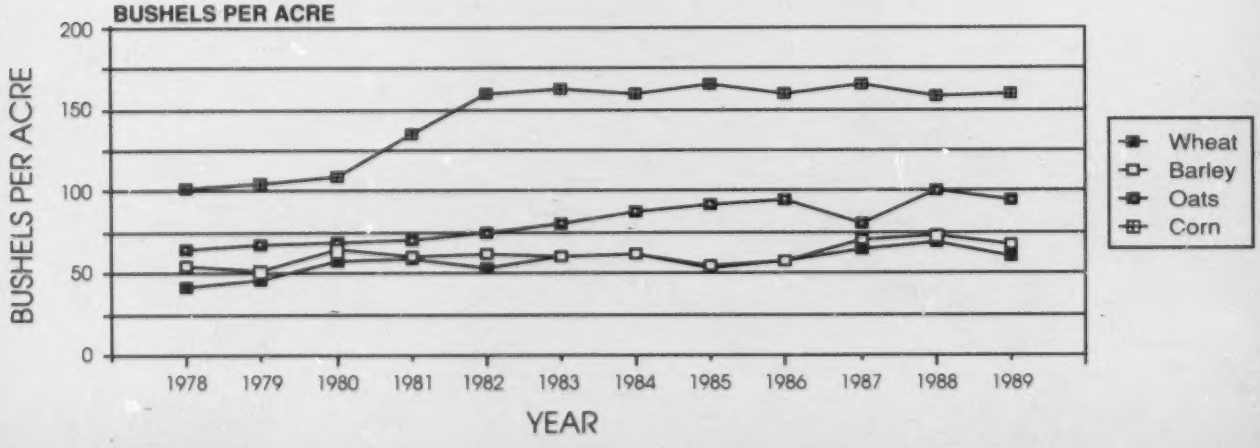
ALL OATS: Acreage, Yield and Production, by County, 1987-1988

District and County	1987				1988			
	Acreage		Yield Per Acre	Production	Acreage		Yield Per Acre	Production
	Planted	Harvested			Planted	Harvested		
	Acres		Bushels		Acres		Bushels	
NORTHWEST:								
Benton	1,500	1,200	70.0	84,000	1,200	1,000	79.0	79,000
Clackamas	3,700	3,000	75.0	225,000	3,000	2,500	109.0	272,500
Clatsop	100	—	—	—	—	—	—	—
Columbia	200	200	65.0	13,000	500	400	80.0	32,000
Lane	3,600	2,600	65.0	169,000	3,100	1,000	75.0	75,000
Linn	3,900	3,500	75.0	262,500	2,900	2,600	80.0	208,000
Marion	8,000	6,800	75.0	510,000	4,700	4,000	94.0	376,000
Multnomah	700	500	80.0	40,000	400	400	120.0	48,000
Polk	13,500	12,500	80.0	1,000,000	11,300	10,500	98.0	1,029,000
Washington	8,600	7,500	80.0	600,000	10,800	10,000	128.0	1,280,000
Yamhill	10,700	10,200	80.0	816,000	14,000	13,000	105.0	1,365,000
TOTAL	54,500	48,000	77.5	3,719,500	51,900	45,400	104.9	4,764,500
NORTHCENTRAL:								
Gilliam	400	400	53.0	21,200	100	100	60.0	6,000
Hood River	100	—	—	—	100	—	—	—
Morrow	200	100	45.0	4,500	400	200	62.0	2,400
Sherman	200	100	40.0	4,000	200	200	40.0	8,000
Wasco	1,000	300	48.0	14,400	300	200	60.0	12,000
TOTAL	1,900	900	49.0	44,100	1,100	700	54.9	38,400
NORTHEAST:								
Baker	1,100	200	60.0	12,000	300	100	66.0	6,600
Umatilla	1,500	900	90.0	81,000	4,500	4,000	80.0	320,000
Union	1,200	300	70.0	21,000	900	700	70.0	49,000
Wallowa	2,300	2,200	80.0	176,000	1,500	1,000	80.0	80,000
TOTAL	6,100	3,600	80.6	290,000	7,200	5,800	78.6	455,600
SOUTHWEST:								
Coos	100	—	—	—	—	—	—	—
Douglas	500	300	50.0	15,000	600	400	75.0	30,000
Jackson	500	200	60.0	12,000	700	200	75.0	15,000
Josephine	200	100	59.0	5,900	200	100	60.0	6,000
TOTAL	1,300	600	54.8	32,900	1,500	700	72.9	51,000
SOUTHEAST:								
Crook	2,500	200	90.0	18,000	1,900	100	95.0	9,500
Deschutes	1,000	500	70.0	35,000	1,000	500	80.0	40,000
Grant	1,500	200	70.0	14,000	500	200	60.0	12,000
Harney	5,000	3,000	70.0	210,000	8,000	3,000	60.0	180,000
Jefferson	1,500	500	110.0	55,000	400	200	105.0	21,000
Klamath	8,000	5,500	115.0	632,500	14,700	6,500	120.0	780,000
Lake	2,700	1,000	69.0	69,000	4,000	1,000	80.0	80,000
Malheur	3,500	800	90.0	72,000	2,200	800	80.0	64,000
Wheeler	500	200	40.0	8,000	600	100	40.0	4,000
TOTAL	26,200	11,900	93.6	1,113,500	33,300	12,400	96.0	1,190,500
STATE TOTAL	90,000	65,000	80.0	5,200,000	95,000	65,000	100.0	6,500,000

FIELD CORN: Acreage, Yield and Production, by County, 1987-1988

District and County	1987 Acreage Planted All Purposes	1987 Acreage Harvested For Grain	1987 Yield Per Acre	1987 Production	1988 Acreage Planted All Purposes	1988 Acreage Harvested For Grain	1988 Yield Per Acre	1988 Production
	Acres		Bushels		Acres		Bushels	
NORTHWEST:								
Benton	800	—	—	—	800	—	—	—
Clackamas	3,000	500	130.0	65,000	2,900	500	131.0	65,500
Columbia	600	—	—	—	600	—	—	—
Lane	1,300	—	—	—	1,300	—	—	—
Linn	1,300	100	120.0	12,000	1,500	100	120.0	12,000
Marion	4,000	100	120.0	12,500	4,200	100	130.0	13,000
Multnomah	300	—	—	—	—	—	—	—
Polk	1,800	500	130.0	65,000	2,000	600	130.0	78,000
Tillamook	100	—	—	—	100	—	—	—
Washington	3,500	—	—	—	2,800	—	—	—
Yamhill	2,500	500	140.0	70,000	3,000	500	151.0	75,500
Total	19,200	1,700	132.1	224,500	19,200	1,800	135.6	244,000
NORTHCENTRAL:								
Gilliam	100	—	—	—	—	—	—	—
Hood River	100	—	—	—	100	—	—	—
Morrow	8,400	6,900	179.0	1,235,100	5,200	3,500	135.0	647,500
Sherman	100	—	—	—	—	—	—	—
Total	8,700	6,900	179.0	1,235,100	5,300	3,500	185.0	647,500
NORTHEAST:								
Baker	500	50	120.0	6,000	400	—	—	—
Umatilla	10,400	8,500	178.9	1,521,000	8,500	5,200	195.0	1,014,000
Total	10,900	8,500	178.9	1,521,000	8,900	5,200	195.0	1,014,000
SOUTHWEST:								
Coos	500	—	—	—	500	—	—	—
Douglas	100	—	—	—	100	—	—	—
Jackson	600	—	—	—	600	—	—	—
Josephine	700	—	—	—	300	—	—	—
Total	1,900	—	—	—	1,500	—	—	—
SOUTHEAST:								
Grant	100	100	70.0	7,000	—	—	—	—
Jefferson	200	—	—	—	100	—	—	—
Malheur	14,000	6,800	143.0	972,400	15,000	8,500	129.0	1,096,500
Total	14,300	6,900	141.9	979,400	15,100	8,500	129.0	1,096,500
STATE TOTAL	55,000	24,000	165.0	3,960,000	50,000	19,000	158.0	3,002,000

Grain Yields, Selected Crops, 1978-1989



STOCKS OF MAJOR GRAINS AND HAY: 1979-1989

Crop and Year	January 1[1]		April 1[1]		June 1		October 1[1]	
	Off Farm Total	Total All Positions	Off Farm Total	Total All Positions	Off Farm Total	Total All Positions	Off Farm Total	Total All Positions
	1,000 Bushels							
WHEAT								
1979	25,920	40,978	18,474	26,782	13,641	17,276	38,653	60,431
1980	30,384	48,723	22,027	34,062	19,062	23,647	49,095	73,089
1981	34,931	55,829	25,405	40,885	19,207	27,721	48,277	72,063
1982	37,118	58,674	26,312	41,921	15,610	25,273	39,662	63,792
1983	30,735	51,055	22,171	36,141	18,463	27,353	46,803	73,687
1984	33,916	58,177	30,789	47,837	24,397	37,511	44,385	70,584
1985	38,131	58,815	30,444	44,922	29,534	41,255	51,692	75,229
1986	44,429	64,603	39,099	53,669	36,830	49,719	57,031	81,547
1987	49,300	70,300	42,400	54,400	36,800	45,800	52,900	78,900
1988	49,100	69,100	39,300	51,300	33,247	43,247	46,461	68,461
1989	33,204	51,704	27,912	36,912	19,025	24,025	38,528	55,528
BARLEY								
1979	3,806	6,398	2,413	3,817	2,004	2,436	5,169	8,164
1980	4,143	6,473	1,972	2,970	759	1,092	4,963	8,993
1981	2,998	5,920	2,708	3,917	622	1,025	7,175	12,095
1982	4,674	8,487	1,061	2,537	776	1,268	6,254	12,299
1983	5,825	11,250	2,645	4,970	1,549	2,324	8,873	14,308
1984	4,733	8,521	3,108	4,755	679	1,338	10,461	16,363
1985	4,218	8,384	2,081	4,338	946	1,640	9,098	14,873
1986	6,126	9,976	[2]	[2]	1,691	3,231	[2]	[2]
1987	[2]	[2]	[2]	[2]	2,650	4,250	[2]	[2]
1988	[2]	[2]	[2]	[2]	3,779	5,029	6,000	9,000
1989	6,345	8,845	3,653	5,253	1,922	2,802	3,918	5,918
OATS								
1979	1,358	3,259	561	1,829	380	1,014	1,738	3,949
1980	1,199	2,807	731	1,736	235	637	1,293	3,529
1981	1,017	2,590	429	1,381	197	528	1,751	3,571
1982	1,214	2,716	578	1,488	482	846	2,271	5,267
1983	1,918	3,958	1,696	3,099	874	1,575	1,818	4,038
1984	950	2,570	612	1,392	275	515	1,731	4,701
1985	1,130	2,780	706	1,432	412	676	2,890	6,386
1986	2,137	4,437	[2]	[2]	662	1,122	[2]	[2]
1987	[2]	[2]	[2]	[2]	524	1,424	[2]	[2]
1988	[2]	[2]	[2]	[2]	447	847	[2]	[2]
1989	[2]	[2]	[2]	[2]	612	992	[2]	[2]
CORN								
1979	138	814	103	435	116	249	[3]	[3]
1980	118	748	127	442	160	286	40	90
1981	72	787	178	536	119	262	70	127
1982	[3]	[3]	[3]	[3]	144	382	38	157
1983	215	3,522	121	1,556	245	994	108	358
1984	108	3,048	562	1,364	456	830	174	334
1985	2,686	4,756	488	1,156	130	464	85	219
1986	438	1,890	173	[3]	119	[3]	116	[3]
1987	1,170	[3]	214	[3]	179	[3]	[3]	[3]
1988	1,289	[3]	[3]	[3]	166	[3]	132	[3]
1989	1,258	[3]	[3]	[3]	133	[3]	47	[3]

	JANUARY 1 ON FARM TOTAL[1]	MAY 1 ON FARM TOTAL
	1,000 Tons	1,000 Tons
HAY		
1979	2,218	527
1980	1,798	360
1981	2,382	745
1982	2,165	289
1983	1,958	267
1984	2,185	281
1985	2,023	218
1986	1,495	179
1987	2,100	689
1988	2,200	392
1989	1,665	167

[1] Beginning in 1987, estimate dates are December 1, March 1, June 1 and September 1. [2] No estimate this quarter.
[3] Not published to avoid disclosure.

HAY: Acreage, Yield, Production and Value, 1910-1988

Year	Alfalfa			Other Hay			All Hay	
	Acreage Harvested	Yield Per Acre	Production	Acreage Harvested	Yield Per Acre	Production	Season Average Price	All Hay Value of Production
	1,000 Acres	Tons	1,000 Tons	1,000 Acres	Tons	1,000 Tons	Dollars	1,000 Dollars
1910	—	—	—	—	—	—	11.40	17,203
1915	—	—	—	—	—	—	9.50	17,727
1920	217	2.15	467	939	1.52	1,425	16.60	31,407
1925	212	2.60	551	964	1.32	1,268	11.70	21,282
1930	255	2.65	676	871	1.40	1,221	9.20	17,452
1935	254	2.55	648	895	1.15	1,032	8.70	14,616
1940	300	2.55	765	787	1.41	1,111	10.30	19,323
1945	246	2.65	652	912	1.45	1,318	21.60	42,552
1946	234	2.60	608	828	1.49	1,231	24.30	44,688
1947	234	2.65	620	844	1.42	1,197	24.60	44,698
1948	211	2.65	559	850	1.51	1,287	27.00	49,842
1949	248	2.55	632	722	1.24	898	26.00	39,780
1950	263	2.75	723	757	1.32	998	25.00	43,025
1951	274	2.75	754	717	1.21	867	28.40	46,036
1952	279	2.90	809	727	1.45	1,057	27.90	52,061
1953	310	2.85	884	718	1.52	1,088	20.20	39,834
1954	294	2.80	823	709	1.39	989	21.40	38,777
1955	309	2.70	834	725	1.31	947	26.60	47,375
1956	318	3.00	954	724	1.45	1,050	23.20	46,493
1957	331	2.85	943	683	1.50	1,024	16.00	31,472
1958	314	2.90	911	639	1.42	908	18.10	32,924
1959	320	2.80	896	618	1.44	891	25.50	45,568
1960	336	2.85	958	693	1.46	1,011	23.10	45,484
1961	346	2.90	1,003	645	1.49	959	21.90	42,968
1962	360	2.85	1,026	661	1.43	946	23.10	45,553
1963	378	2.90	1,096	666	1.51	1,003	23.90	50,166
1964	389	2.85	1,109	726	1.47	1,066	25.70	55,898
1965	397	3.00	1,191	653	1.52	995	25.80	56,399
1966	393	2.95	1,159	673	1.46	985	27.00	57,888
1967	401	2.90	1,163	678	1.64	1,113	24.00	54,624
1968	390	2.85	1,112	576	1.61	927	25.50	51,995
1969	410	3.20	1,312	605	1.62	983	26.00	59,670
1970	415	3.10	1,287	602	1.61	969	26.00	58,656
1971	432	2.95	1,274	618	1.65	1,020	31.00	71,114
1972	428	3.00	1,284	622	1.60	995	33.50	76,347
1973	415	3.20	1,328	622	1.55	964	52.50	120,330
1974	410	3.30	1,353	630	1.70	1,071	57.50	139,380
1975	420	3.50	1,470	620	1.70	1,054	59.50	150,178
1976	410	3.60	1,476	640	1.60	1,024	63.50	158,750
1977	425	3.70	1,573	600	1.60	960	56.50	143,115
1978	435	3.80	1,653	640	1.75	1,120	49.00	135,877
1979	415	3.70	1,536	645	1.60	1,032	64.00	164,352
1980	425	4.20	1,785	645	1.85	1,193	79.50	236,751
1981	425	4.10	1,743	635	1.80	1,143	60.00	173,160
1982	420	4.20	1,764	650	1.85	1,203	75.00	222,525
1983	440	4.20	1,848	670	1.90	1,273	75.00	234,075
1984	445	4.10	1,825	660	1.95	1,287	73.00	227,176
1985	450	4.05	1,823	630	1.85	1,166	76.50	228,659
1986	460	4.20	1,932	650	1.85	1,202	65.00	203,710
1987	430	4.20	1,806	690	1.75	1,208	68.00	204,952
1988	415	4.10	1,702	650	1.65	1,073	79.00	219,225

PEPPERMINT: Acreage, Yield and Production, by Area, 1987-1988

District	1987			1988		
	Acreage Harvested	Yield Per Acre	Production	Acreage Harvested	Yield Per Acre	Production
	Acres	Pounds	Pounds	Acres	Pounds	Pounds
Northwest	17,140	72.3	1,239,310	18,970	77.1	1,462,340
Northeast	890	75.0	66,750	890	72.3	64,390
Southwest	—	—	—	—	—	—
Southeast	17,350	65.5	1,136,170	20,020	65.2	1,305,410
Other	120	64.8	7,770	120	65.5	7,860
State Total	35,500	69.0	2,450,000	40,000	71.0	2,840,000

FERTILIZER: Commercial Usage, 1983-1988

Year [1]	Kind of Fertilizer				Primary Nutrients			
	Mixtures	Direct Appl. Materials		Total	Total Nitrogen	Available Phosphoric Acid	Potash	Total NPK [2]
		Primary Nutrient	Secondary & Micro-Nutr.					
	Tons							
1983	130,424	419,225	12,097	561,746	165,964	76,394	28,617	270,975
1984	93,885	409,661	12,130	515,676	144,335	80,178	30,245	254,758
1985	154,763	383,289	18,623	556,675	138,174	40,392	24,632	203,198
1986	154,812	374,819	11,707	541,338	137,466	38,998	23,747	200,212
1987	126,135	366,410	9,588	502,133	125,931	34,436	28,005	188,372
1988	139,401	371,542	12,647	523,590	131,312	37,032	29,288	197,631

[1] Year ends June 30.
[2] The sums of the individual items may not equal totals due to rounding.
Source: Tennessee Valley Authority.

FERTILIZER: Direct Application Materials Consumption, 1984-1988

Material	1984	1985	1986	1987	1988
	Tons				
NITROGEN MATERIALS					
Anhydrous Ammonia	30,590	21,481	22,086	17,252	19,386
Aqua Ammonia	27,032	30,312	24,060	22,626	17,788
Ammonium Nitrate	19,174	19,455	22,561	20,576	21,759
Ammonium Sulfate	66,688	68,987	67,031	66,551	69,950
Nitrogen Solutions	75,014	106,479	99,790	78,773	71,815
Urea	63,043	75,368	79,058	77,266	83,431
Other	31,902	45,822	33,665	30,673	30,172
PHOSPHATE MATERIALS					
Phosphoric Acid	—	—	—	1,150	2,131
Superphosphates (over 22%)	13,991	7,373	5,634	2,819	3,317
Other	3,897	168	2,093	3,186	5,934
POTASH MATERIALS					
Chloride grades	26,651	30,094	30,070	37,972	38,161
Other	6,307	4,629	6,279	7,566	7,698

Source: Tennessee Valley Authority.

ALL POTATOES: Acreage, Yield, Production and Value, 1870-1988

Year	Acreage		Yield	Production	Season Average Price	Value of Production
	Planted	Harvested				
	1,000 Acres		Cwt.	1,000 Cwt.	Dollars	1,000 Dollars
1870	—	5.0	62	312	1.42	442
1875	—	8.0	85	682	1.45	982
1880	—	9.0	74	664	.98	653
1885	—	15.0	64	963	.60	578
1890	—	18.0	59	1,069	1.08	1,158
1895	—	28.0	59	1,663	.65	1,081
1900	—	31.0	63	1,953	.75	1,465
1905	—	40.0	64	2,544	1.00	2,544
1910	—	42.0	53	2,218	1.32	2,920
1915	—	54.0	58	3,143	1.13	3,562
1920	—	38.0	78	2,964	1.45	4,298
1925	—	32.0	68	2,170	2.78	6,039
1930	34.0	34.0	93	3,162	.95	3,004
1935	47.0	41.0	81	3,321	.92	3,044
1940	35.0	35.0	144	5,040	.60	3,024
1945	52.0	52.0	144	7,488	2.00	14,976
1950	36.5	36.5	217	7,920	1.48	11,740
1951	30.5	30.5	213	6,485	2.85	18,434
1952	30.5	30.5	232	7,090	3.22	22,807
1953	38.5	38.5	208	7,998	1.24	9,951
1954	38.0	38.0	219	8,305	2.20	18,371
1955	37.0	36.0	215	7,755	1.70	13,132
1956	37.5	37.5	234	8,790	1.78	15,556
1957	37.5	37.5	250	9,375	1.75	16,354
1958	39.5	39.5	254	10,020	1.18	11,855
1959	35.9	35.5	245	8,680	2.14	18,361
1960	34.5	34.5	227	7,838	2.47	19,407
1961	40.0	40.0	247	9,865	1.27	12,498
1962	37.0	37.0	240	8,871	1.49	13,177
1963	34.0	34.0	267	9,090	1.80	16,393
1964	35.0	35.0	241	8,425	3.23	27,088
1965	38.5	38.5	238	9,180	2.01	18,439
1966	41.5	41.5	250	10,385	2.06	21,282
1967	50.0	49.0	270	13,252	1.75	23,155
1968	44.5	44.5	264	11,768	1.93	22,717
1969	48.2	46.7	285	13,308	2.01	26,746
1970	54.5	53.6	284	15,229	1.78	27,139
1971	48.3	47.5	289	13,723	1.73	23,744
1972	40.8	40.7	355	14,436	2.75	39,674
1973	44.0	41.9	380	15,929	3.88	61,535
1974	50.7	50.0	350	17,482	3.88	67,883
1975	56.4	55.5	440	24,408	3.20	77,869
1976	65.9	65.6	441	28,913	2.71	78,269
1977	60.3	60.0	426	25,550	2.89	73,705
1978	69.5	67.6	421	28,488	2.76	78,607
1979	65.5	63.0	402	25,310	2.83	71,590
1980	48.0	47.0	420	19,745	4.60	90,761
1981	55.0	54.0	402	21,710	4.50	97,228
1982	53.5	52.5	402	21,105	3.90	82,310
1983	49.2	48.5	427	20,710	4.65	96,172
1984	58.0	56.5	416	23,525	4.75	112,105
1985	62.0	61.0	441	26,888	3.55	95,618
1986	53.0	52.0	446	23,172	4.20	96,965
1987	56.0	55.0	471	25,924	3.45	89,953
1988	46.0	45.0	461	20,735	4.80	99,638

POTATOES: Acreage, Yield and Production, by Counties, 1987-1988

District and County	1987 Acreage Harvested	1987 Yield Per Acre	1987 Production	1988 Acreage Harvested	1988 Yield Per Acre	1988 Production
	Acres	Cwt.	Cwt.	Acres	Cwt.	Cwt.
NORTHWEST:						
Clackamas	300	353	106,000	280	354	99,000
Marion	300	353	106,000	280	364	102,000
Multnomah	300	353	106,000	250	364	91,000
Washington	500	404	202,000	450	424	191,000
TOTAL	1,400	371	520,000	1,260	383	483,000
NORTHCENTRAL:						
Morrow	17,600	526	9,249,000	13,500	536	7,230,000
TOTAL	17,600	526	9,249,000	13,500	536	7,230,000
NORTHEAST:						
Baker	260	354	92,000	250	364	91,000
Umatilla	12,800	505	6,468,000	10,000	525	5,254,000
Wallowa	400	323	129,000	350	323	113,000
TOTAL	13,460	497	6,689,000	10,600	515	5,458,000
SOUTHEAST:						
Crook	1,200	404	485,000	1,000	404	404,000
Deschutes	400	405	162,000	360	406	146,000
Jefferson	2,300	480	1,105,000	1,600	404	647,000
Klamath	10,900	414	4,516,000	9,700	384	3,724,000
Malheur	6,800	410	2,788,000	6,400	375	2,400,000
TOTAL	21,600	419	9,056,000	19,060	384	7,321,000
OTHER COUNTIES:	940	436	410,000	580	419	243,000
STATE TOTAL	55,000	471	25,924,000	45,000	461	20,735,000

POTATOES: Production, Farm Disposition, Season Average Price and Value, 1985-1988

Crop Year	Production	Farm Disposition: Used on Farm: Total	Farm Disposition: Used on Farm: Seed, Feed & Household Use	Farm Disposition: Used on Farm: Shrink and Loss	Farm Disposition: Sold	Price Per Cwt.	Value of: Production	Value of: Sales
	1,000 Cwt.					Dollars	1,000 Dollars	
1985	26,888	3,608	356	3,252	23,280	3.55	95,618	82,826
1986	23,172	2,693	268	2,425	20,479	4.20	96,965	85,682
1987	25,924	2,980	260	2,720	22,944	3.45	89,953	79,685
1988	20,735	2,360	210	2,150	18,375	4.80	99,638	88,156

POTATOES: Utilization Per Capita, United States, 1981-1988

Item	1981	1982	1983	1984	1985	1986	1987	1988[1]
	Million Cwt.							
Production	338.6	335.1	333.9	362.6	407.1	361.5	389.3	356.4
	Pounds							
Consumption, Per Capita[2]	113.1	115.9	117.5	120.1	121.3	124.1	123.2	128.8
Fresh	45.7	46.6	49.9	48.8	46.6	49.6	48.4	54.6
Processed[3] [4]	67.4	69.3	67.6	71.3	74.7	74.5	74.8	74.2
Canned[5]	1.8	1.9	1.9	1.8	1.9	1.8	1.8	1.8
Frozen	38.2	40.1	38.1	41.4	44.0	44.0	45.6	44.7
Shoestrings & Chips	16.8	17.2	17.9	18.1	17.7	18.2	17.0	17.7
Dehydrated	10.6	10.1	9.7	10.0	11.1	10.5	10.4	10.0

[1] Preliminary. [2] Furnished by ERS. [3] Fresh-weight basis. [4] Includes flour. [5] Includes potatoes canned in soups, stews, and other combinations.

POTATOES: Stocks, December 1 - May 1, Oregon, 1979-1988 Crop Years

State and Crop Year	December 1	Following Year				
		January 1	February 1	March 1	April 1	May 1
	1,000 Cwt.					
Oregon						
1979	16,900	14,600	12,400	9,800	7,200	4,700
1980	13,300	11,300	9,600	7,500	5,800	3,600
1981	15,200	12,700	10,500	8,300	5,800	4,000
1982	15,100	13,200	11,300	9,400	6,700	4,600
1983	14,000	12,100	9,600	8,300	6,500	4,500
1984	15,400	12,900	11,000	8,700	6,400	4,500
1985	18,500	15,700	13,300	10,500	8,000	5,800
1986	17,000	14,900	12,700	10,100	7,800	5,800
1987	17,900	16,100	14,200	11,800	9,500	7,500
1988	15,300	13,100	11,100	8,700	6,300	4,500

POTATOES: Used for Processing[1], Eight States, 1987 and 1988 Crops

Area and Storage Season	To December 1	Following Year					Entire Season
		To January 1	To February 1	To March 1	To April 1	To May 1	
	1,000 Cwt.						
Washington and Other Oregon Counties[2]							
1987-88	22,265	25,950	30,790	35,800	40,900	44,925	58,085
1988-89	19,200	23,455	27,280	31,960	37,575	41,795	51,555
Idaho & Malheur County, Oregon[3]							
1987-88	18,260	23,320	28,680	34,340	40,380	46,440	64,495
1988-89	18,740	24,270	29,420	34,720	41,360	48,080	64,425
Other States[4]							
1987-88	7,520	9,810	12,345	14,995	17,715	20,135	26,900
1988-89	7,490	9,640	11,870	14,100	16,570	18,990	25,300
EIGHT-STATE TOTAL							
1987-88	48,045	59,080	71,815	85,135	98,995	111,500	149,480
1988-89	45,430	57,365	68,570	80,780	95,505	108,865	141,280

[1] Total quantity received and used for processing, regardless of the state in which the potatoes were produced.
[2] Includes processing totals of Washington plus Oregon but excluding Malheur County.
[3] Includes processing totals of Idaho plus Malheur County, Oregon.
[4] Maine, Michigan, Minnesota, North Dakota and Wisconsin.

POTATOES: Acreage, Yield and Production, and Value, United States, 1987-1988

Seasonal Groups and State	1987					1988				
	Harvested Acres	Yield Per Acre	Production	Price Per Cwt.	Value of Production	Harvested Acres	Yield Per Acre	Production	Price Per Cwt.	Value of Production
	1,000 Acres	Cwt.	1,000 Cwt.	Dollars	1,000 Dollars	1,000 Acres	Cwt.	1,000 Cwt.	Dollars	1,000 Dollars
Winter	11.7	214	2,501	18.60	46,153	12.3	213	2,616	10.50	27,490
Spring	82.8	229	18,988	11.60	219,806	79.8	252	20,110	6.80	137,629
Summer	100.5	227	22,833	6.32	143,569	91.8	220	20,154	7.55	151,451
Fall										
Idaho	337.0	296	99,710	3.50	348,985	347.0	296	102,610	5.40	554,094
Oregon:										
Malheur County	6.8	410	2,788	4.05	11,291	6.4	375	2,400	3.70	8,880
Other Counties	48.2	480	23,136	3.40	78,662	38.6	475	18,335	4.95	90,758
Washington	124.0	540	66,960	3.65	244,404	115.0	550	63,250	4.50	284,625
Total Fall States	1,098.4	314	344,998	3.69	1,273,421	1,075.4	292	313,558	5.82	1,827,401
Total United States	1,293.4	301	389,320	4.38	1,682,949	1,259.3	283	356,438	6.02	2,143,971

GRASS SEED by Type: Production, 1930-1988[1]

Year	Alfalfa	Bentgrass	All Kentucky Bluegrass[2]	Clover		Fescue			Orchard-grass	Ryegrass	
				Crimson	Red	Chewings	Red	Tall		Annual	Perennial
	Million Pounds										
1930	.4	N/A	—	N/A	1.4	N/A	N/A	N/A	—	N/A	N/A
1935	.7	N/A	—	N/A	1.3	N/A	N/A	N/A	—	N/A	N/A
1940	1.0	.8	—	.6	1.6	.4	*	.2	—	27.5	1.7
1941	.4	.9	—	2.0	1.5	.8	*	.2	—	24.0	2.3
1942	.4	.8	—	2.4	1.7	1.0	.1	.3	—	30.0	3.3
1943	.4	.7	—	.7	1.6	.9	.2	.5	—	23.0	3.2
1944	.3	.9	.5	—	1.6	1.0	.2	.7	—	31.0	4.6
1945	.5	1.0	—	.6	1.5	1.3	.4	1.0	—	39.5	4.5
1946	.5	1.1	—	.5	2.4	2.8	1.1	1.6	—	51.0	5.6
1947	.3	1.5	—	.5	3.4	2.9	1.4	2.0	—	47.5	6.1
1948	.4	1.5	—	.6	3.6	3.2	1.9	3.4	—	32.7	6.5
1949	.8	1.4	—	.4	3.2	2.4	.7	2.8	—	42.2	5.6
1950	1.3	2.2	—	.9	3.4	3.5	1.6	5.5	—	72.5	7.0
1951	2.4	1.7	—	1.6	3.3	2.1	.9	6.1	—	66.0	8.0
1952	3.7	2.3	.1	2.7	2.0	5.0	1.7	9.1	—	90.4	12.1
1953	1.8	3.1	.3	1.3	2.5	4.4	1.7	5.8	—	66.0	16.6
1954	1.6	3.2	.4	1.2	2.5	6.8	3.6	4.3	—	105.8	22.4
1955	2.4	4.4	.4	2.1	3.4	8.0	1.5	5.0	—	121.5	31.4
1956	2.5	5.5	.8	2.4	2.4	5.1	1.6	3.8	—	89.0	43.1
1957	3.1	7.8	1.2	4.2	4.5	7.8	2.4	4.0	—	67.0	35.5
1958	3.4	6.0	.8	4.2	3.4	5.9	2.1	2.0	—	63.4	28.1
1959	3.6	6.7	1.6	6.5	3.3	10.6	4.7	3.4	.2	136.4	45.1
1960	5.9	5.1	1.4	8.0	4.8	11.0	4.9	3.6	.3	106.8	43.2
1961	9.4	5.9	1.4	6.2	4.2	7.5	4.0	3.8	.5	90.0	46.3
1962	10.6	6.2	2.0	8.2	3.6	9.0	4.8	5.7	.9	123.3	57.6
1963	10.2	7.8	7.5	7.2	6.0	6.3	3.8	7.3	2.0	97.3	48.5
1964	10.4	9.6	9.8	9.1	6.7	7.9	5.3	10.1	3.6	123.3	56.4
1965	6.9	7.7	10.5	4.8	4.3	6.3	5.7	10.1	5.3	113.5	47.0
1966	7.0	8.4	15.7	5.9	3.5	7.2	6.7	10.5	6.9	112.5	39.4
1967	8.1	8.0	17.0	6.3	2.3	7.4	8.5	10.4	6.2	91.4	45.6
1968	5.2	6.5	17.8	5.4	1.1	5.8	6.5	9.0	7.2	125.2	41.4
1969	5.8	5.7	14.2	6.1	4.7	7.4	6.3	10.8	9.6	152.3	36.7
1970	7.1	7.4	12.9	8.0	6.1	7.3	6.2	9.5	10.4	186.3	32.0
1971	6.3	10.1	18.9	2.9	4.9	8.7	7.8	13.7	11.9	223.4	41.0
1972	5.8	9.5	16.7	2.0	4.6	6.8	6.4	10.4	14.1	176.2	34.8
1973	6.4	9.6	14.6	2.3	3.4	7.7	7.3	13.3	15.6	168.8	40.0
1974	7.4	9.2	16.9	1.4	3.8	6.8	7.8	10.1	11.9	176.1	42.4
1975	6.0	7.8	16.8	2.0	4.2	5.8	6.7	9.5	10.4	183.6	43.2
1976	4.6	6.7	10.7	3.7	3.9	5.4	6.6	6.0	9.2	176.9	35.2
1977	6.1	6.8	9.4	3.8	5.0	5.5	6.0	6.2	8.0	231.2	39.6
1978	4.8	4.1	13.1	3.2	5.5	5.4	6.5	6.7	11.2	200.1	40.8
1979	4.2	4.5	12.2	4.6	5.2	8.5	5.2	7.2	13.6	206.4	49.6
1980	4.6	6.1	17.7	2.9	6.0	10.7	6.0	9.4	14.5	204.0	63.2
1981	4.2	7.2	19.7	6.0	6.3	8.9	5.8	8.1	9.0	175.6	66.2
1982	2.8	7.3	19.9	5.8	6.8	9.6	6.5	11.4	20.3	204.0	68.4
1983	3.3	6.6	12.3	4.7	8.1	6.8	5.0	16.3	22.1	184.8	64.0
1984	3.8	6.2	13.1	6.5	8.8	9.2	6.6	24.1	21.3	201.3	66.0
1985	5.0	4.1	11.4	6.4	7.3	10.1	7.4	37.9	23.5	216.0	63.4
1986	5.2	3.5	14.8	6.4	7.0	8.4	6.3	46.0	22.3	207.1	71.4
1987	5.2	4.0	19.4	6.3	7.0	9.9	8.0	57.4	20.6	198.9	86.5
1988	5.6	4.0	21.2	4.8	7.4	10.3	7.1	77.3	21.4	201.3	104.4

* Less than 50,000 pounds.
[1] 1981-1988 data from OSU Extension Service.
[2] 1952-1962 includes Merion Kentucky Bluegrass only.

GRASS SEEDS BY TYPE: ACREAGE, YIELD, PRODUCTION AND VALUE, 1985-1988

Commodity	Acreage Harvested	Yield	Production	Season Average Price	Value of Production
	Acres	Lbs./Acre	Million Pounds	$/Cwt.	1,000 Dollars
Alfalfa					
1985	10,320	490	5.0	96.20	4,848
1986	9,900	520	5.2	107.30	5,573
1987	10,420	500	5.2	115.40	6,043
1988	10,800	520	5.6	125.00	7,024
Bentgrass					
1985	11,820	345	4.1	139.84	5,704
1986	10,070	347	3.5	158.54	5,544
1987	11,550	342	4.0	200.96	7,942
1988	11,750	337	4.0	258.48	10,241
Bluegrass, All Kentucky					
1985	17,760	640	11.4	93.10	10,610
1986	23,540	630	14.8	104.70	15,526
1987	27,700	700	19.4	108.70	21,128
1988	30,300	700	21.2	103.60	21,923
Clover, Crimson					
1985	10,520	610	6.4	36.70	2,339
1986	9,250	700	6.4	27.90	1,800
1987	8,550	740	6.3	25.00	1,575
1988	7,030	670	4.7	54.50	2,549
Clover, Red					
1985	19,300	380	7.3	79.60	5,836
1986	19,950	350	7.0	100.00	6,992
1987	21,440	330	7.0	85.20	6,000
1988	22,700	320	7.4	105.20	7,750
Fescue, Chewings					
1985	15,330	660	10.1	49.60	4,990
1986	14,230	590	8.4	60.10	5,027
1987	14,280	690	9.9	65.90	6,051
1988	14,730	700	10.3	85.90	8,813
Fescue, Red					
1985	11,660	640	7.4	52.60	3,902
1986	11,130	570	6.3	59.80	3,766
1987	11,260	710	8.0	64.90	5,201
1988	10,650	660	7.1	77.70	5,480
Fescue, Tall					
1985	35,470	1,070	37.9	37.60	14,261
1986	45,6[illegible]	1,010	46.0	56.50	26,015
1987	58,2[illegible]	990	57.4	51.80	29,728
1988	68,5[illegible]	1,130	77.3	63.60	49,187
Orchardgrass					
1985	26,580	880	23.5	40.60	9,538
1986	26,200	850	22.3	52.30	11,688
1987	25,400	810	20.6	61.20	12,576
1988	25,800	830	21.4	62.00	13,280
Ryegrass, Annual					
1985	120,000	1,800	216.0	13.00	28,135
1986	116,000	1,790	207.1	13.10	27,124
1987	112,000	1,780	198.9	18.10	36,016
1988	110,000	1,830	201.3	21.40	42,970
Ryegrass, Perennial					
1985	65,000	980	63.4	40.90	25,931
1986	73,000	980	71.4	50.40	36,028
1987	88,000	980	86.5	49.50	42,828
1988	97,130	1,070	104.4	51.90	54,167
All Other Grass Seed					
1985	16,770	—	—	—	3,192
1986	15,845	—	—	—	4,369
1987	17,635	—	—	—	4,753
1988	19,710	—	—	—	5,060

Source: Extension Economic Information Office, Oregon State University.

Tree Fruits and Nuts

Utilized 1988 production of tree fruit and nut crops in Oregon decreased 8 percent compared to 1987 but was 35 percent greater than 1986 production. The total value of these crops was 18 percent more than a year earlier and 35 percent more than two years earlier.

Oregon ranked third among the states in all pear production for 1988, accounting for 25 percent of the nation's utilized production. The state ranked second in production of pears other than Bartletts, producing 45 percent of the U.S. crop. Oregon hazelnut production amounted to 99 percent of national production. The state's sweet cherry production was second to Washington, accounting for 33 percent of the U.S. utilized production. Oregon ranked sixth nationally in tart cherry production, producing 1.7 percent of the U.S. total. The state ranked as the ninth largest apple producer with 1.8 percent of national production.

Pears other than Bartletts were the most valuable fruit crop in Oregon in 1988, with value of utilized production 47 percent above 1987 and 17 percent above 1986. Production was 5 percent below 1987 but 29 percent above 1986.

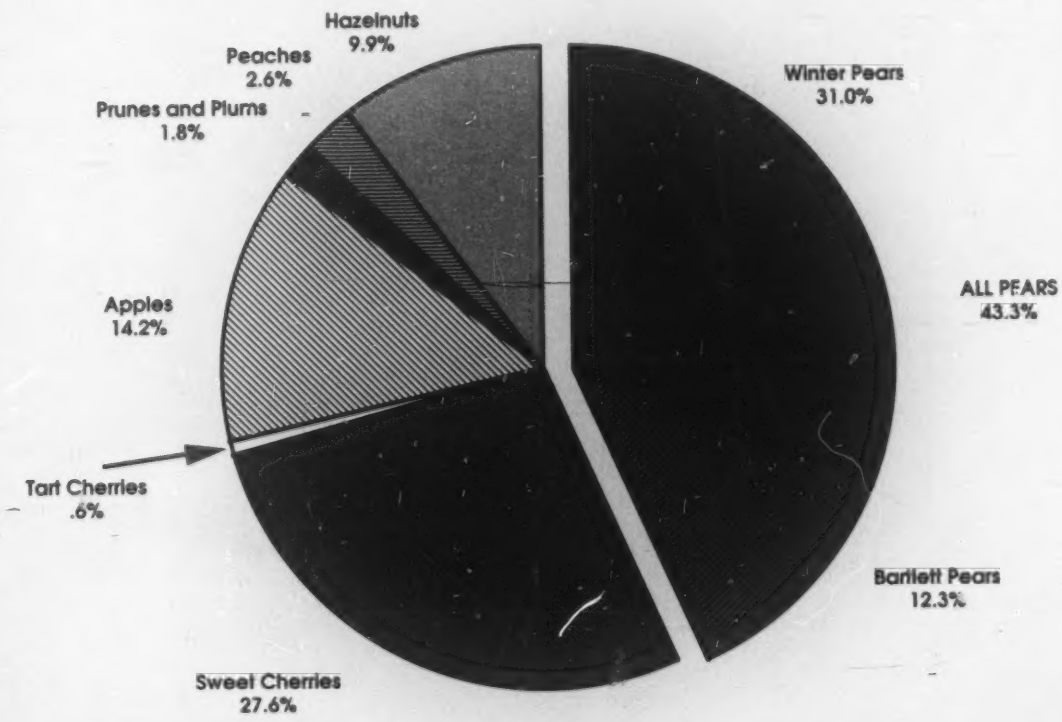
The record 1988 sweet cherry crop was 11 percent greater than the previous record set in 1987 and 58 percent greater than 1986. Value of production, ranking second in fruits and nuts, also set a new record 4 percent greater than last year's previous record and 54 percent more than two years earlier.

Apples ranked as the third most valuable fruit or nut crop in Oregon for 1988. Apple production was 20 percent less than 1987 but 57 percent more than 1987. Value of production was up 78 and 79 percent, respectively, from the last two years. Bartlett pear production in 1988 was 13 percent less than a year earlier but 36 percent more than two years earlier. Value of production was the highest since 1985 and was 21 percent higher than 1987 and 42 percent higher than 1986.

Hazelnuts were the fifth most valuable crop, with 1988 production 24 percent less than 1987 but 9 percent more than 1986. The crop's value was 32 percent below the prior year but 29 percent above 1986.

Peach production was down 7 percent and value was down 5 percent from 1987. Production of prunes and plums increased 20 percent and total value increased 14 percent. The tart cherry crop declined 35 percent but value was up 129 percent.

VALUE OF PRODUCTION: PERCENT OF TOTAL, BY FRUIT AND NUT CROPS, OREGON, 1988



TREE FRUIT AND NUT CROPS: Utilized Production, Average Price, and Value, 1985-88

Crop by Years	Utilized Production[1]	Average Price[1]	Value of Utilized Production[1]	Fresh Market		Processing	
	Tons	Dollars Per Ton	Thousand Dollars	Tons	Dollars Per Ton	Tons	Dollars Per Ton
Apples							
1985	80,000	252.00	20,200	60,000	300.00	20,000	110.00
1986	52,500	212.00	11,081	38,500	250.00	14,000	104.00
1987	102,500	108.00	11,145	62,500	154.00	40,000	37.30
1988	82,500	240.00	19,860	60,000	298.00	22,500	87.70
Sweet Cherries							
1985	27,000	621.00	16,761	4,000	861.00	23,000	579.00
1986	38,000	663.00	25,187	8,500	860.00	29,500	606.00
1987	54,000	690.00	37,248	13,000	995.00	41,000	593.00
1988	60,000	646.00	38,756	16,000	830.00	44,000	579.00
Tart Cherries							
1985	3,250	480.00	1,560	300	480.00	2,950	480.00
1986	3,000	320.00	960	200	320.00	2,800	320.00
1987	3,100	110.00	340	300	180.00	2,800	102.00
1988	2,000	390.00	780	250	600.00	1,750	360.00
Bartlett Pears							
1985	75,000	230.00	17,282	17,000	324.00	58,000	203.00
1986	50,000	243.00	12,161	19,000	348.00	31,000	179.00
1987	78,000	183.00	14,255	23,000	175.00	55,000	186.00
1988	68,000	253.00	17,223	15,500	410.00	52,500	207.00
Other Pears							
1985	118,000	302.00	35,588	—	—	—	—
1986	112,000	331.00	37,036	—	—	—	—
1987	150,000	197.00	29,613	—	—	—	—
1988	145,000	300.00	43,486	—	—	—	—
Peaches							
1985	7,250	580.00	4,199	—	—	—	—
1986	6,500	546.00	3,554	—	—	—	—
1987	7,000	550.00	3,847	—	—	—	—
1988	6,500	562.00	3,657	—	—	—	—
Prunes & Plums							
1985	22,400	163.00	3,641	—	—	—	—
1986	19,000	161.00	3,064	—	—	—	—
1987	15,000	147.00	2,211	—	—	—	—
1988	18,000	140.00	2,526	—	—	—	—
Hazelnuts							
1985	24,300	677.00	16,451	—	—	—	—
1986	14,900	724.00	10,788	—	—	—	—
1987	21,500	956.00	20,544	—	—	—	—
1988	16,300	853.00	13,904	—	—	—	—
State Total							
1985	357,200	—	115,682	—	—	—	—
1986	295,900	—	103,831	—	—	—	—
1987	431,100	—	119,203	—	—	—	—
1988	398,300	—	140,192	—	—	—	—

[1] Both Fresh Market and Processing.

FRUIT CROPS: Utilized Production, by Area, 1985-1988

Area and Year	Apples	Sweet Cherries	Tart Cherries	Bartlett Pears	Other Pears
			Tons		
Willamette Valley					
1985	6,685	7,300	3,200	2,500	—
1986	3,702	9,180	2,990	1,490	—
1987	8,211	15,170	3,090	1,720	—
1988	7,028	17,550	1,990	1,870	—
Southwest					
1985	2,840	350	—	29,410	47,980
1986	2,218	620	—	22,650	48,610
1987	3,476	530	—	24,230	67,100
1988	2,997	560	—	18,940	46,580
Mid-Columbia					
1985	45,535	16,170	—	43,090	70,000
1986	35,704	26,580	—	25,860	63,380
1987	53,410	35,650	—	52,050	82,880
1988	36,065	38,800	—	47,190	98,410
Milton-Freewater					
1985	23,025	900	—	—	—
1986	9,664	1,160	—	—	—
1987	33,602	800	—	—	—
1988	35,272	1,050	—	—	—
Other					
1985	1,915	2,280	50	—	20
1986	1,212	440	10	—	10
1987	3,801	1,850	10	—	20
1988	1,138	2,040	10	—	—
State Total					
1985	80,000	27,000	3,250	75,000	118,000
1986	52,500	38,000	3,000	50,000	112,000
1987	102,500	54,000	3,100	78,000	150,000
1988	82,500	60,000	2,000	68,000	145,000

PROCESSED UTILIZATION: Apples, Sweet Cherries, 1985-1988

Crop and Year	Processed (Basis Fresh Equivalent)				
	Canned	Juice & Cider	Brined	Other	Total
			Million Lbs.		
Apples					
1985	—	16.0	—	24.0	40.0
1986	—	9.5	—	18.5	28.0
1987	—	62.0	—	18.0	80.0
1988	—	23.0	—	22.0	45.0
			Tons		
Sweet Cherries					
1985	3,700	—	17,800	1,500	23,000
1986	2,900	—	24,300	2,300	29,500
1987	4,100	—	33,000	3,900	41,000
1988	8,600	—	31,000	4,400	44,000

APPLES AND SWEET CHERRIES: Utilized Production, Price and Value, 1890-1988

Year	Apples			Sweet Cherries		
	Production	Price	Value	Production	Price	Value
	Million Pounds	Cents Per Pound	1,000 Dollars	Tons	Dollars Per Ton	1,000 Dollars
1890	64.5	—	—	—	—	—
1895	81.9	—	—	—	—	—
1900	110.4	—	—	—	—	—
1905	86.4	—	—	—	—	—
1910	182.4	2.04	3,724	—	—	—
1915	156.7	1.73	2,709	—	—	—
1920	211.2	2.33	4,928	—	—	—
1925	244.8	2.63	6,426	—	—	—
1930	288.0	1.96	5,640	—	—	—
1935	164.3	1.48	2,430	13,200	—	—
1940	151.0	1.52	2,297	20,300	98	1,989
1945	127.0	6.12	7,776	19,700	259	5,102
1946	142.6	5.21	7,425	30,000	263	7,890
1947	136.5	3.27	4,465	10,800	211	2,279
1948	123.3	4.37	5,393	18,500	258	4,773
1949	128.2	1.96	2,510	31,200	129	4,025
1950	133.4	1.69	2,252	17,400	252	4,385
1951	102.7	2.77	2,846	16,700	274	4,576
1952	110.4	3.81	4,207	17,100	183	3,129
1953	81.1	4.97	4,030	25,500	266	6,783
1954	119.5	3.42	4,084	25,400	279	7,087
1955	103.2	3.06	3,160	31,000	191	5,921
1956	80.2	4.35	3,490	15,200	292	4,438
1957	139.2	2.02	2,813	18,200	313	5,697
1958	97.4	2.33	2,274	25,500	311	7,930
1959	97.4	3.52	3,428	24,900	343	8,541
1960	86.4	3.69	3,188	12,800	377	4,826
1961	81.6	4.34	3,541	26,700	332	8,864
1962	105.6	3.56	3,759	34,000	257	8,738
1963	129.6	2.54	3,292	17,500	328	5,740
1964	92.2	2.77	2,554	25,000	285	7,125
1965	111.8	3.33	3,723	20,100	366	7,357
1966	120.0	3.43	4,116	31,800	381	12,116
1967	124.0	5.54	6,870	39,000	397	15,483
1968	87.0	5.82	5,063	15,700	476	7,473
1969	167.0	2.91	4,860	35,000	320	11,200
1970	115.0	4.43	5,095	40,000	330	13,200
1971	125.0	5.08	6,350	32,700	273	8,764
1972	105.0	5.78	6,069	20,000	434	8,400
1973	167.0	6.50	10,855	37,000	310	12,543
1974	165.0	6.20	10,230	33,500	373	12,496
1975	150.0	4.80	7,200	36,500	347	12,666
1976	170.0	7.20	12,240	39,000	350	13,650
1977	147.0	9.20	13,524	37,500	428	16,050
1978	142.0	11.10	15,762	35,000	630	22,050
1979	170.0	11.00	18,700	38,000	544	20,672
1980	195.0	7.60	14,802	31,800	500	15,900
1981	155.0	11.40	17,682	37,000	544	20,122
1982	150.0	10.00	15,045	35,000	617	21,586
1983	155.0	10.00	15,570	42,000	486	20,396
1984	130.0	10.10	13,114	29,500	491	14,489
1985	160.0	12.60	20,200	27,000	621	16,761
1986	105.0	10.60	11,081	38,000	663	25,187
1987	205.0	5.40	11,145	54,000	690	37,248
1988	165.0	12.00	19,860	60,000	646	38,756

BARTLETT PEARS AND OTHER PEARS: Utilized Production, Price and Value, 1925-1988

Year	Bartlett Pears			Other Pears		
	Production	Price	Value	Production	Price	Value
	Tons	Dollars Per Ton	1,000 Dollars	Tons	Dollars Per Ton	1,000 Dollars
1925	17,025	77.20	1,314	24,350	118.00	2,873
1930	33,775	34.00	1,148	54,475	54.80	2,985
1935	35,550	30.80	1,095	49,275	51.60	2,543
1936	39,700	34.00	1,350	50,525	63.20	3,193
1937	32,200	38.80	1,249	56,500	46.80	2,644
1938	31,600	19.70	798	60,725	42.80	2,599
1939	41,125	35.50	1,530	59,375	44.00	2,612
1940	43,900	38.40	1,686	60,325	55.20	3,330
1945	55,250	109.60	6,055	78,050	139.60	10,896
1946	54,750	124.10	6,795	93,625	151.20	14,156
1947	49,375	110.80	5,471	93,725	95.20	8,923
1948	45,900	106.40	4,884	73,100	108.80	7,953
1949	59,250	62.00	2,157	75,750	106.40	4,151
1950	46,250	95.60	4,422	88,750	61.20	5,432
1951	52,000	90.00	4,680	62,625	80.00	5,010
1952	53,750	56.00	3,010	74,750	92.80	6,937
1953	56,500	66.00	3,729	82,500	59.20	4,884
1954	36,025	84.40	3,041	60,250	78.40	4,724
1955	65,100	73.20	4,765	76,375	75.20	5,743
1956	61,725	87.60	5,407	89,125	84.80	7,558
1957	59,900	65.60	3,929	87,250	76.80	6,701
1958	54,200	68.00	3,686	71,750	69.20	4,965
1959	52,000	66.20	3,444	75,800	92.80	7,034
1960	44,800	89.20	3,996	60,900	100.00	6,090
1961	52,000	82.80	4,306	65,800	94.00	6,185
1962	71,800	53.60	3,848	80,000	80.40	6,432
1963	33,500	112.00	3,752	47,800	89.60	4,283
1964	56,200	76.80	4,316	61,500	82.40	5,065
1965	67,000	146.00	9,782	86,600	99.20	8,591
1966	71,000	65.50	4,651	92,500	91.70	8,482
1967	71,000	175.00	12,425	80,000	128.00	10,240
1968	44,000	128.00	5,632	49,000	162.00	7,938
1969	82,000	88.00	7,216	109,000	98.00	10,682
1970	39,000	116.00	4,524	51,000	127.00	6,477
1971	83,000	80.00	6,640	96,000	103.00	9,888
1972	51,000	122.00	6,222	59,000	174.00	10,266
1973	73,000	117.00	8,541	98,000	156.00	15,288
1974	72,000	172.00	12,384	103,000	142.00	14,626
1975	79,000	116.00	9,164	91,000	168.00	15,288
1976	75,000	101.00	7,575	125,000	129.00	16,125
1977	79,000	102.00	8,058	100,000	166.00	16,600
1978	55,500	195.00	10,823	96,000	237.00	22,752
1979	85,000	172.00	14,620	120,000	224.00	26,880
1980	80,000	170.00	13,604	120,000	202.00	24,288
1981	85,000	115.00	9,805	117,000	224.00	26,228
1982	70,000	130.00	9,104	105,000	268.00	28,142
1983	63,000	149.00	9,400	125,000	188.00	23,473
1984	44,000	217.00	9,569	106,000	288.00	30,542
1985	75,000	230.00	17,282	118,000	302.00	35,588
1986	50,000	243.00	12,161	112,000	331.00	37,036
1987	78,000	183.00	14,255	150,000	197.00	29,613
1988	68,000	253.00	17,223	145,000	300.00	43,486

HAZELNUTS AND PRUNES & PLUMS: Utilized Production, Price and Value, 1925-1988

Year	Hazelnuts			Prunes & Plums		
	Production	Price	Value	Production	Price	Value
	Tons	Dollars Per Ton	1,000 Dollars	Tons	Dollars Per Ton	1,000 Dollars
1925	—	—	—	49,300	47.32	2,333
1930	300	340.00	102	87,300	26.70	2,334
1935	1,100	260.00	286	133,700	17.50	2,335
1936	1,850	270.00	500	133,000	20.00	2,663
1937	2,230	215.00	479	56,900	27.50	1,565
1938	2,060	220.00	453	70,500	17.10	1,203
1939	3,300	220.00	726	137,400	15.30	2,096
1940	2,700	240.00	648	36,600	32.20	1,179
1941	4,900	300.00	1,470	66,100	30.20	1,998
1942	3,500	346.00	1,211	57,500	49.80	2,863
1943	6,100	500.00	3,050	99,200	68.90	6,833
1944	5,500	540.00	2,970	57,100	78.10	4,458
1945	4,500	550.00	2,475	80,400	77.10	6,202
1946	7,300	380.00	2,774	98,900	77.00	7,458
1947	7,700	250.00	1,925	30,900	78.50	2,424
1948	5,100	260.00	1,326	37,900	68.20	2,586
1949	9,600	220.00	2,112	77,900	41.60	3,240
1950	5,350	350.00	1,872	22,300	105.00	2,342
1951	5,850	350.00	2,048	57,200	67.80	3,878
1952	10,780	296.00	3,191	43,500	81.90	3,563
1953	4,200	344.00	1,445	44,200	69.70	3,081
1954	7,850	320.00	2,512	42,500	61.10	2,597
1955	7,400	420.00	3,108	51,900	67.20	3,488
1956	2,900	510.00	1,479	59,000	49.40	2,915
1957	11,700	300.00	3,510	29,000	56.70	1,644
1958	7,100	380.00	2,698	19,700	97.20	1,915
1959	9,500	376.00	3,572	44,000	66.60	2,930
1960	8,400	420.00	3,528	4,000	163.00	652
1961	11,100	380.00	4,218	27,400	99.60	2,729
1962	7,300	440.00	3,212	46,000	64.00	2,944
1963	6,600	470.00	3,102	6,300	139.00	876
1964	7,800	440.00	3,432	23,000	61.80	1,421
1965	7,300	450.00	3,285	28,000	70.90	1,985
1966	11,700	390.00	4,563	25,000	65.60	1,640
1967	7,000	492.00	3,444	30,500	79.10	2,413
1968	7,000	518.00	3,626	11,000	109.00	1,199
1969	7,100	550.00	3,905	32,000	66.30	2,122
1970	8,750	570.00	4,988	20,300	97.20	1,973
1971	11,000	414.00	4,554	16,700	67.40	1,126
1972	9,600	508.00	4,877	8,400	182.00	1,529
1973	11,700	570.00	6,669	25,800	128.00	3,302
1974	6,400	560.00	3,584	28,000	134.00	3,752
1975	11,800	610.00	7,198	27,500	103.00	2,833
1976	6,950	640.00	4,448	29,000	107.00	3,103
1977	11,400	687.00	7,832	25,000	128.00	3,200
1978	13,700	805.00	11,029	17,000	170.00	2,890
1979	12,200	951.00	12,078	23,000	184.00	4,232
1980	15,100	1,151.00	17,386	33,000	150.00	4,950
1981	14,400	786.00	11,319	25,000	157.00	3,925
1982	18,400	680.00	12,512	19,000	185.00	3,515
1983	8,000	554.00	4,432	16,000	169.00	2,700
1984	13,200	617.00	8,144	14,000	169.00	2,368
1985	24,300	677.00	16,451	22,400	163.00	3,641
1986	14,900	724.00	10,788	19,000	161.00	3,064
1987	21,500	956.00	20,554	15,000	147.00	2,211
1988	16,300	853.00	13,904	18,000	140.00	2,526

Oregon Fruit Tree Inventory

The special Fruit Tree Survey conducted by the Oregon Agricultural Statistics Service during early 1986 showed nearly 6 million fruit trees currently growing in Oregon. They are being grown on just short of 50,000 acres. Winter pears led the tree count numbers with 1.7 million, followed closely by apples with 1.65 million trees. The sweet cherries tree count totaled 831,000, placing them third; while Bartlett pears were fourth with 808,000 trees.

On an acreage basis, sweet cherries led with 12,800 acres, followed by winter pears, 12,300 acres; apples, 10,000 acres; and Bartlett pears, 6,300 acres. Rounding out the major fruits were prunes and plums, tart cherries and peaches, in that order.

Additional data on tree age and variety by county or major producing area are available in a separate Fruit Tree Inventory bulletin published in October 1986.

NUMBER OF ACRES AND TREES BY FRUIT AND AREA - January 1, 1986

Area	Apples	Sweet Cherries	Tart Cherries	Bartlett Pears	Other Pears	Prunes & Plums	Peaches	All Fruit [1]
HOOD RIVER								
Acres	3,990	685	—	3,550	6,000	—	50	14,275
Trees	585,900	63,860	—	456,230	735,630	—	6,450	1,848,070
WASCO								
Acres	545	6,025	—	15	40	5	60	6,690
Trees	79,650	358,800	—	3,140	5,470	710	8,100	455,870
UMATILLA								
Acres	2,950	450	—	10	—	805	60	4,275
Trees	441,030	45,140	—	840	—	96,390	6,470	589,870
UNION								
Acres	10	820	—	5	—	5	10	850
Trees	1,500	49,300	—	400	—	600	790	52,590
JACKSON [2]								
Acres	300	35	—	2,360	6,140	30	280	9,145
Trees	80,010	2,540	—	306,650	944,000	4,690	31,900	1,369,790
DOUGLAS								
Acres	115	190	5	105	15	525	90	1,045
Trees	13,160	14,460	70	10,070	4,500	40,750	12,980	95,990
NORTH WILLAMETTE VALLEY [3]								
Acres	200	325	275	70	15	750	275	1,910
Trees	39,570	20,120	27,050	4,880	1,520	72,050	32,020	197,210
MID-WILLAMETTE VALLEY [4]								
Acres	600	3,900	1,600	150	30	1,950	425	8,655
Trees	95,450	255,210	167,710	19,120	6,450	195,000	50,600	789,540
SOUTH WILLAMETTE VALLEY [5]								
Acres	175	320	350	60	25	100	250	1,280
Trees	26,550	17,500	34,500	5,880	2,250	8,340	39,700	134,720
OTHER								
Acres	1,160	40	—	10	5	35	90	1,340
Trees	288,600	3,600	—	1,220	1,080	9,100	11,900	315,500
STATE TOTAL								
Acres	10,045	12,790	2,230	6,335	12,270	4,205	1,590	49,465
Trees	1,651,420	830,530	229,330	808,430	1,700,900	427,630	200,910	5,849,150

[1] Does not include apricots and nectarines mentioned in the narrative above.
[2] Includes minor acreage in Josephine County.
[3] Clackamas, Columbia, Multnomah and Washington Counties.
[4] Marion, Polk and Yamhill Counties.
[5] Benton, Lane and Linn Counties.

Oregon Vineyards and Wineries, 1988

Harvested acreage of Oregon wine grapes increased 13 percent to 3,413 acres in 1988 but yield per acre, at 2.26 tons, was 13 percent below a year earlier. The net result was a total production of 7,719 tons, off 2 percent from the 1987 crop. Most areas of the state reported lower yields due to adverse weather conditions and disease problems. However, the Rogue Valley and Columbia River areas posted overall yield increases of 5 and 93 percent, respectively.

The number of Oregon vineyards increased from 263 in 1987 to 299 operations in 1988. Total acreage climbed 10 percent to 4,871 acres for the state in 1988.

The highest yielding variety was Chenin Blanc, posting a yield of 4.42 tons per acre. Morrow County had the highest locality average yield at 3.17 tons per acre.

Tons produced were dominated by three major varieties: Pinot Noir - 2,090 tons (27 percent of the total), White Riesling - 1,903 tons (25 percent) and Chardonnay - 1,729 tons (22 percent).

Average prices rose 5 percent for the 1988 crop, reaching $611 per ton. The high value leaders were Pinot Gris - $793 per ton, Pinot Noir - $777 per ton, and Chardonnay - $738 per ton. Many varieties increased in price over 1987 but also quite a number showed a decline. The overall price increase did lead to an increase of 3 percent in value of production for the 1988 crop which totaled 4.7 million dollars.

Oregon wineries crushed 6,405 tons of white grapes for the 1988 season, a decline of 12 percent from 1987. The three top varieties, Pinot Noir - 1,948 tons, White Riesling - 1,612 tons, and Chardonnay - 1,380 tons, were down 17, 9 and 28 percent, respectively. Gewurztraminer crush also declined 17 percent to 334 tons; however, the crush of other varieties increased.

Oregon had 71 wineries for 1988 with 66 of them crushing wine grapes for the 1988 season. Total cooperage of the 71 wineries was 1.99 million gallons compared with the 1.91 million gallons for the 65 wineries in business in 1987.

Nearly 89 percent of the crush was made into varietal wines, almost 7 percent into sparkling wines and over 4 percent into proprietary or generic wines.

WINE GRAPE ACRES, YIELD, PRODUCTION, PRICE AND VALUE BY VARIETY, 1987 and 1988

Variety	Total Acres		Harvested Acres		Yield Per Harvested Acre		Total Production		Price Per Ton		Value of Production	
	1987	1988	1987	1988	1987	1988	1987	1988	1987	1988	1987	1988
	Acres		Acres		Tons		Tons		Dollars		1,000 Dollars	
Cabernet Sauvignon	241	250	148	200	1.74	2.12	258	424	644	651	166	276
Chardonnay	1,006*	1,076	733	853	2.87	2.03	2,102	1,729	599	738	1,259	1,276
Chenin Blanc	51	48	35	33	1.85	4.42	65	146	437*	386	28	56
Early Muscat	8	5	8	5	5.67	3.00	44	15	500	570	22	9
Gewurztraminer	303*	303	202	232	2.20	2.51	444	582	532	416	236	242
Merlot	79	84	22	57	1.60	2.33	35	133	656	645	23	86
Muller Thurgau	157*	167	75	78	3.25	3.22	245	251	414	440	101	110
Muscat Ottonel	10	9	5	7	2.71	3.86	14	27	450*	400	6	11
Pinot Gris	119	177	58	93	2.21	1.09	129	101	773	793	100	80
Pinot Noir[1]	1,278	1,535	905	1,031	2.60	2.03	2,352	2,090	688	777	1,618	1,624
Sauvignon Blanc	147	149	94	107	1.75	1.66	164	178	577	568	95	101
Semillon	60	60	19	12	1.88	2.33	35	28	428	447	15	13
White Riesling	854*	882	646	634	2.84	3.00	1,834	1,903	447	405	820	771
Zinfandel	12	19	12	10	2.50	2.40	30	24	545	604	16	14
All Other[2]	99	107	54	61	2.04	1.44	110	88	493	495	54	44
Total	4,424*	4,871	3,016	3,413	2.61	2.26	7,861	7,719	580*	611	4,559	4,713

* Revised.
[1] In 1987 Gamay Beaujolais included in All Other. 1988 includes Gamay Beaujolais, a Pinot Noir clone.
[2] 1988 includes these varieties: Cabernet Franc, Flame, Flora, Gamay Noir, Golden Muscat, Marechal Foch, Malbec, Pinot Blanc, Pinot Munier, Sylvaner, Symphony.

WINE GRAPE VINEYARDS, Acreage, Yield and Production by County, 1987 and 1988

County	Number of Vineyards		Total Acres		Harvested Acres		Yield Per Acre		Production	
	1987	1988	1987	1988	1987	1988	1987	1988	1987	1988
			Acres				Tons			
Benton	16	15	122	116	72	68	2.90	1.50	209	102
Clackamas	12	14	59	63	35	49	2.66	1.55	94	76
Douglas	31	33	313	348	242	261	3.00	2.70	724	706
Hood River	4	6	21	21	16	12	2.19	2.17	34	26
Jackson	22	25	154	195	105	121	1.91	2.02	201	245
Josephine	16	15	161*	167	124	118	2.77	3.01	343	355
Lane	16	21	171	199	120	149	2.11	2.04	253	304
Linn	4	3	49	57	42	46	1.39	1.52	59	70
Marion	16	19	139	156	101	104	2.79	1.88	280	195
Morrow	4	4	709	708	469	526	1.47	3.17	689	1,665
Polk	31	36	753	849	623	603	2.09	1.88	1,301	1,133
Umatilla	5	3	75	73	24	50	2.00	1.60	48	80
Wasco	7	7	57	58	41	49	1.74	1.92	70	94
Washington	22	25	739	806	280	482	3.99	2.04	1,118	984
Yamhill	54	70	889*	1,043	710	767	3.42	2.18	2,427	1,672
Other Counties	3	3	13	11	12	8	.89	1.50	12	12
State Total	263	299	4,424*	4,871	3,016	3,413	2.61	2.26	7,861	7,719

* Revised.

OREGON WINERIES, Tons Crushed and Cooperage by Area, 1987 and 1988

Area	Number of Wineries		Number of Wineries Crushing Grapes		Wine Grapes Crushed		Total Cooperage	
	1987	1988	1987	1988	1987	1988	1987	1988
					Tons		1,000 Gallons	
Polk County	10	11	9	11	667	598	135.7	160.7
Washington County*	9	10	8	7	1,252	1,228	295.5	318.9
Yamhill County	17	18	17	18	3,054	2,382	758.7	814.2
East Valley	8	9	7	8	273	254	192.5	126.5
South Valley	5	6	5	6	818	739	173.6	189.2
Douglas County	7	7	6	7	618	556	155.5	154.1
Rogue Valley	5	6	4	6	514	564	171.5	195.9
Columbia River	4	4	3	3	108	84	28.9	32.5
State Total	65	71	59	66	7,304	6,405	1,911.9	1,992.0

* Includes Clatsop and Tillamook Counties.

WINE GRAPE CRUSH BY OREGON WINERIES BY USE, 1988

Variety and Wine Type	Varietal	Sparkling	Proprietary or Generic	Total	Variety as Percent of Total
	Tons	Tons	Tons	Tons	Percent
Cabernet Sauvignon, Red	218	—	32	250	3.9
Cabernet Sauvignon, Blanc	74	—	—	74	1.2
Chardonnay	1,228	132	*	1,360	21.2
Chenin Blanc	79	—	36	115	1.8
Gewurztraminer	316	—	18	334	5.2
Merlot	28	—	—	28	.4
Muller Thurgau	217	—	15	232	3.6
Muscat Ottonel	4	—	8	12	.2
Pinot Gris	101	—	—	101	1.6
Pinot Noir, Red	1,498	—	37	1,535	24.0
Pinot Noir, Blanc	169	244	—	413	6.4
Sauvignon Blanc	200	—	*	200	3.1
Semillon	6	—	9	15	.2
White Riesling	1,465	49	98	1,612	25.2
Zinfandel	23	—	—	23	.4
All Other	45	8	48	101	1.6
Total	5,671	433	301	6,405	100.0

* Not published to avoid disclosure, included in Varietal.

Berries

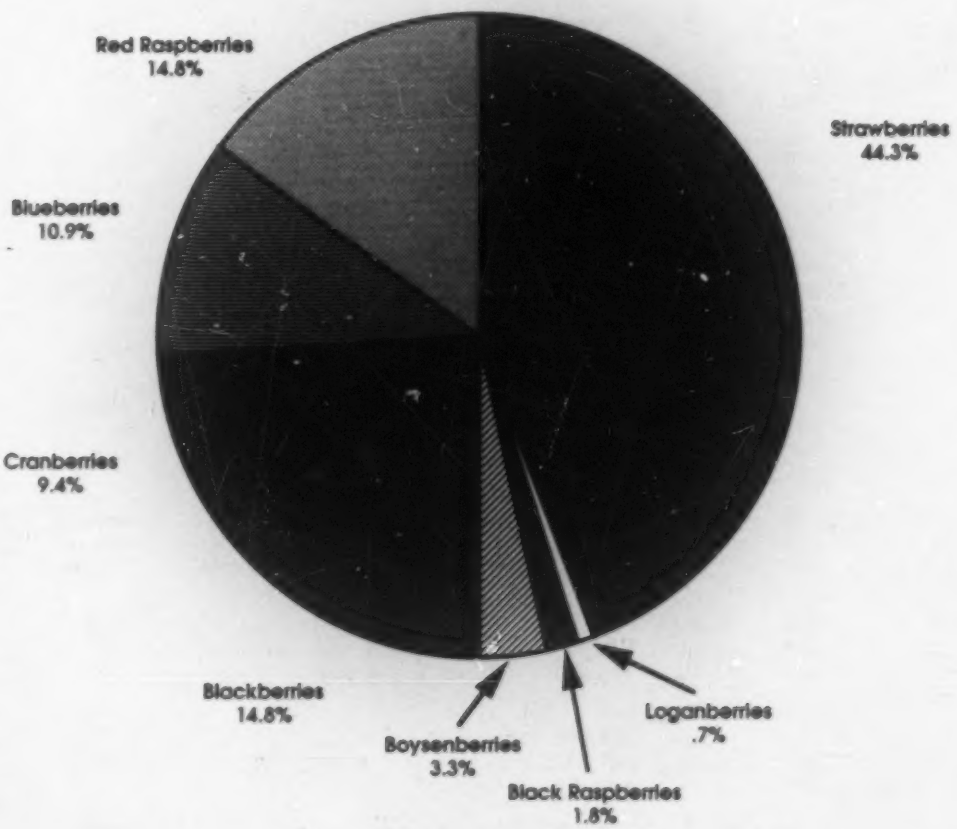
Total utilized production of all berry crops harvested in Oregon for 1988 increased 7 percent from 1987. Leading the increase were the blueberry crop, up almost 11 percent, the strawberry crop, up over 8 percent, and the cranberry crop, up nearly 8 percent. Production of boysenberries and loganberries also increased. Black raspberries showed the largest decrease in production, off 14 percent from a year ago. Red raspberry production was 12 percent less than in 1987. Blackberry production also decreased.

The 1988 strawberry crop, at 101.4 million pounds, was the largest on record even though harvested acreage remained the same as in 1987. The average price per pound dropped 8 percent resulting in a slight decrease in value of production.

In general, changes in production of the other berry crops were caused mainly by changes in acreage. That is, if acres increased then production increased correspondingly. The exceptions were red raspberries with a 6 percent acreage increase but lower production, boysenberries with a 5 percent fewer acres but 2 percent higher production and loganberries with acreage the same as the previous year but 6 percent higher production. The crops with the biggest improvement in yield were strawberries, up 8 percent, boysenberries, up 7 percent and loganberries, up 6 percent.

Value of production for all Oregon berry crops in 1988 totaled $70.9 million, up less than 1 percent from 1987. Most crops showed slight declines from last year. Boysenberries had a reduction in value of 16 percent. However, the value of the blueberry crop increased 39 percent and was the major reason the all berries value increased. Cranberry value of production also increased by 5 percent.

VALUE OF PRODUCTION:
PERCENT OF TOTAL, BY BERRY CROP, OREGON, 1988



BERRY CROPS: Acreage, Production, Value, and Disposition, 1986-1988

Crop and Year	Harvested	Yield Per Acre	Total Production	Utilized Production		Price			Value of Utilized Production
				Fresh	Processed	Fresh	Processed	All	
	Acres	Pounds	1,000 Pounds	1,000 Pounds			Cents/Lb.		1,000 Dollars
STRAWBERRIES									
1986	7,300	8,700	63,500	5,000	58,500	65.0	44.2	45.8	29,107
1987	7,800	12,000	93,600	5,600	88,000	60.0	32.0	33.7	31,520
1988	7,800	13,000	101,400	6,400	95,000	62.0	28.9	31.0	31,423
RED RASPBERRIES									
1986	3,100	4,000	12,400	300	12,100	82.0	76.5	76.6	9,503
1987	3,500	6,140	21,500	600	20,900	76.0	50.0	50.7	10,906
1988	3,700	5,140	19,000	650	18,350	99.0	53.5	55.1	10,461
BLACK RASPBERRIES									
1986	1,550	1,870	2,900	—	2,900	—	180.0	180.0	5,200
1987	1,750	2,490	4,350	10	4,340	90.0	52.0	52.1	2,266
1988	1,500	2,500	3,750	20	3,730	88.0	34.5	34.8	1,305
CULTIVATED BLACKBERRIES									
1986									
All	3,600	6,390	23,000	200	22,800	67.0	60.9	60.9	14,018
Evergreen	1,300	7,920	10,300	100	10,200	59.0	49.5	49.6	5,108
Marion	2,200	5,640	12,400	100	12,300	75.0	70.0	70.0	8,685
Other	100	3,000	300	—	300	—	75.0	75.0	225
1987									
All	4,900	7,670	37,600	610	36,990	60.7	27.7	28.3	10,629
Evergreen	1,600	8,810	14,100	200	13,900	49.0	27.0	27.3	3,851
Marion	3,200	7,160	22,900	150	22,750	62.0	28.0	28.2	6,463
Other	100	6,000	600	260	340	69.0	40.0	52.5	315
1988									
All	4,400	7,720	33,950	1,100	32,850	58.1	30.0	30.9	10,498
Evergreen	1,550	8,770	13,600	500	12,600	57.0	30.5	31.5	4,128
Marion	2,700	7,590	20,500	300	19,500	69.0	29.5	30.1	5,960
Other	150	7,000	1,050	300	750	49.0	35.0	39.0	410
BOYSENBERRIES									
1986	850	4,350	3,700	50	3,650	77.0	80.0	80.0	2,959
1987	1,000	5,300	5,300	50	5,250	67.0	52.0	52.2	2,764
1988	950	5,680	5,400	100	5,300	73.0	42.4	43.0	2,320
LOGANBERRIES									
1986	230	5,650	1,300	30	1,270	86.0	75.0	75.3	979
1987	240	5,330	1,280	30	1,250	61.0	35.0	35.6	456
1988	240	5,670	1,360	10	1,350	67.0	35.0	35.3	480
BLUEBERRIES [1]									
1986	900	6,730	6,060	N/A	N/A	N/A	N/A	66.7	4,040
1987	1,200	7,690	9,230	N/A	N/A	N/A	N/A	60.1	5,550
1988	1,300	7,850	10,210	N/A	N/A	N/A	N/A	75.5	7,707
CRANBERRIES									
1986	1,200	10,200	12,200	—	12,200	N/A	N/A	53.1	6,478
1987	1,200	11,830	14,200	50	14,150	N/A	N/A	44.9	6,376
1988	1,300	11,850	15,300	100	15,200	N/A	N/A	43.7	6,686
STATE TOTAL									
1986	17,830	—	125,060	—	—	—	—	—	72,284
1987	20,390	—	187,060	—	—	—	—	—	70,467
1988	21,190	—	190,370	—	—	—	—	—	70,880

[1] Blueberries as published by Extension Economic Information Office, Oregon State University.

BERRY CROPS: Acreage and Production, by Counties, 1986-1988

Commodity and County	Acreage			Production		
	1986	1987	1988	1986	1987	1988
	Acres			1,000 Pounds		
STRAWBERRIES						
Clackamas	750	750	760	6,138	9,570	10,392
Columbia	400	480	460	1,637	3,791	4,347
Lane	145	145	150	1,187	1,645	1,900
Linn	220	240	240	1,800	3,018	3,330
Marion	2,350	2,550	2,560	19,234	29,956	30,885
Multnomah	330	330	330	2,701	4,211	4,512
Washington	2,240	2,440	2,460	23,833	32,123	36,604
Yamhill	260	290	290	2,128	3,407	3,499
Other Counties	605	575	550	4,842	5,879	5,931
Total	7,300	7,800	7,800	63,500	93,600	101,400
RED RASPBERRIES						
Clackamas	1,530	1,675	1,750	6,050	10,489	8,778
Linn	220	270	275	870	1,500	1,434
Marion	180	250	275	712	1,515	1,434
Multnomah	780	880	900	3,084	5,472	4,514
Washington	160	180	200	759	1,127	1,244
Other Counties	230	265	300	925	1,397	1,596
Total	3,100	3,500	3,700	12,400	21,500	19,000
BLACK RASPBERRIES						
Clackamas	580	640	550	1,019	1,619	1,312
Lane	45	50	40	55	95	75
Linn	20	25	20	23	47	38
Marion	100	70	100	105	211	209
Multnomah	25	35	30	44	78	72
Polk	30	30	30	19	54	66
Washington	700	780	650	1,537	2,056	1,810
Yamhill	80	90	80	98	190	168
Total	1,550	1,750	1,500	2,900	4,350	3,750
BLACKBERRIES						
Benton	65	75	75	506	722	622
Clackamas	750	1,020	860	4,397	7,271	5,912
Lane	120	135	125	851	1,147	972
Linn	55	75	70	471	711	578
Marion	1,580	2,150	1,940	10,684	16,900	15,986
Multnomah	190	255	240	956	1,706	1,556
Polk	220	300	290	1,391	2,270	2,174
Washington	370	550	520	2,280	4,372	4,206
Yamhill	160	240	200	1,001	1,941	1,517
Other Counties	90	100	80	463	560	427
Total	3,600	4,900	4,400	23,000	37,600	33,950
BOYSENBERRIES						
Clackamas	N/A	140	130	525	700	726
Marion	N/A	530	520	1,907	2,743	2,906
Multnomah	N/A	60	60	242	330	373
Polk	N/A	55	50	182	330	259
Washington	N/A	85	80	378	510	580
Yamhill	N/A	80	80	283	480	414
Other Counties	N/A	50	30	183	207	142
Total	850	1,000	950	3,700	5,300	5,400
LOGANBERRIES						
Clackamas	N/A	60	60	248	300	312
Marion	N/A	160	160	953	880	928
Other Counties	N/A	20	20	99	100	120
Total	230	240	240	1,300	1,280	1,360

Source: Preliminary county estimates from Extension Economic Information Office, Oregon State University, adjusted to Oregon Agricultural Statistics Service state estimates.

ALL STRAWBERRIES: Acreage, Yield, Production and Value, 1920-1988

Year	Acreage		Yield	Production	Season Average Price/Lb.	Value of Production
	Planted	Harvested				
	1,000 Acres		Pounds	1,000 Pounds	Cents Per Pound	1,000 Dollars
1920	—	3.0	2,590	7,704	18.30	1,412
1925	—	6.2	3,310	20,520	11.10	2,280
1930	—	11.2	2,160	24,192	9.30	2,251
1935	—	9.9	2,160	21,384	5.30	1,129
1940	—	12.5	3,430	42,882[1]	5.10	2,092
1941	—	13.5	3,430	46,250	5.70	2,640
1942	—	11.9	2,930	34,844[1]	8.50	2,647
1943	—	7.5	1,900	14,262[1]	13.80	1,864
1944	—	5.3	2,930	15,524[1]	18.40	2,797
1945	—	6.0	2,580	15,494[1]	18.10	2,744
1946	7.5	7.5	3,420	25,618	27.80	7,116
1947	11.0	11.0	2,860	31,430[1]	17.80	5,288
1948	15.0	15.0	3,920	58,864[1]	20.20	11,605
1949	14.5	14.0	2,900	40,600[1]	14.80	5,835
1950	14.0	14.0	3,070	42,980	22.40	9,615
1951	15.7	14.5	2,220	32,190	17.20	5,521
1952	15.3	15.3	3,610	55,233	15.40	8,481
1953	15.5	15.5	4,020	62,310	16.60	10,355
1954	15.2	15.2	3,890	59,128	15.20	9,008
1955	17.5	17.5	4,770	83,475	15.90	13,265
1956	16.8	16.8	4,210	70,728	15.80	11,195
1957	18.5	18.3	5,000	91,500	8.60	7,905
1958	16.0	15.6	4,400	68,640	12.50	8,609
1959	15.6	15.6	5,700	88,920	13.60	12,064
1960	14.5	14.5	5,000	72,500	14.40	10,448
1961	13.0	13.0	5,200	67,600	12.80	8,641
1962	14.0	14.0	6,100	85,400	13.40	11,445
1963	14.0	14.0	4,950	69,300	12.60	8,766
1964	14.0	13.9	7,200	100,100	14.30	14,292
1965	14.0	11.5	5,200	59,800	16.00	9,583
1966	12.5	12.5	7,700	96,300	17.50	16,848
1967	13.2	13.2	6,900	91,100	14.20	12,932
1968	12.2	12.0	5,900	70,800	16.70	11,856
1969	12.4	12.0	5,800	69,600	17.20	11,994
1970	11.4	11.0	6,500	71,500	15.90	11,372
1971	10.0	10.0	8,300	83,000	15.10	12,512
1972	8.3	8.2	6,700	54,900	17.80	9,791
1973	7.7	7.4	6,600	48,800	23.90	11,680
1974	7.5	6.7	6,200	41,500	25.60	10,620
1975	6.0	5.8	7,200	41,800	23.00	9,610
1976	5.3	5.2	9,200	47,800	28.50	13,622
1977	5.4	5.3	6,600	35,000	28.50	9,979
1978	5.2	5.0	6,800	34,000	27.00	9,183
1979	5.3	5.2	8,200	42,600	33.70	14,370
1980	5.3	5.2	8,900	46,300	33.10	15,333
1981	5.6	5.5	9,300	51,200	35.40	18,126
1982	5.9	5.8	10,000	58,000	43.90	25,435
1983	7.0	6.9	11,500	79,400	39.00	30,988
1984	6.8	6.6	9,200	60,700	24.90	15,138
1985	7.0	6.8	7,400	50,300	31.10	15,619
1986	7.5	7.3	8,700	63,500	45.80	29,107
1987	8.0	7.8	12,000	93,600[1]	33.70	31,520
1988	8.0	7.8	13,000	101,400	31.00	31,423

[1] Includes some quantities not marketed and excluded in computing value: 1,260,000 pounds in 1938; 1,800,000 pounds in 1940; 3,600,000 pounds in 1942; 720,000 pounds in 1943; 324,000 pounds in 1944; 360,000 pounds in 1945; 1,800,000 pounds in 1947; 1,440,000 pounds in 1948; 1,016,000 pounds in 1949; 18,500,000 pounds in 1987.

Vegetables

Fresh Market and Dual Purpose

Production of fresh market and dual purpose vegetable crops in Oregon during 1988 totaled 8.19 million hundredweight, down 4 percent from 1987, but up 9 percent from 1986. The total value of these crops was $85.3 million in 1988, up 3 percent from a year earlier and up 1 percent from two years earlier. Oregon ranked fifth among the states in production of fresh market vegetables, accounting for 3.3 percent of United States production of these crops.

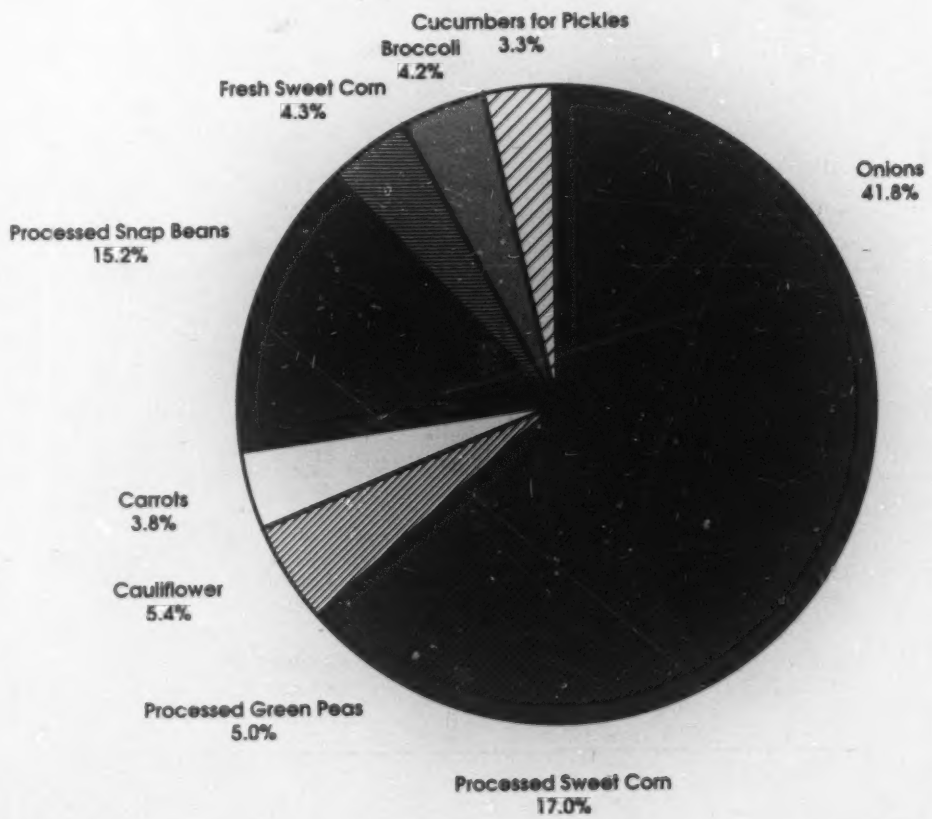
Sweet corn for fresh market production in Oregon totaled 276 thousand hundredweight, the same as the two previous seasons. Average value per hundredweight was up nearly $4.00. Production of storage onions dropped 5 percent to 6.65 million hundredweight. Total value of the Malheur County onion crop was up 8 percent, but other Oregon's crop value fell by 31 percent. Broccoli produced for fresh market and processing uses decreased 17 percent, but total value declined only 2 percent. Carrot production was up 35 percent and total value increased 56 percent. Cauliflower production was down 2 percent while total value was up 7 percent.

Processing

Processing vegetable production in Oregon during 1988 totaled 530 thousand tons, up slightly from 1988 and up 2 percent from 1987. Total value came to $58.0 million, 5 percent more than a year earlier. Acreage of processing vegetables harvested in Oregon was 878,000 acres, 8 percent less than 1987 and 1 percent less than 1986. Oregon ranked fifth among the states in area harvested and production of 1988 processing vegetables. The state's value of production for these crops ranked third nationally in 1988.

Snap bean production was up 6 percent from 1987 and the total value of the crop was up 4 percent. Production of sweet corn for processing in 1988 was 1 percent less than the previous year, but total value of production was up 10 percent. Cucumbers for pickle production went up 16 percent and value of the crop went up 31 percent. The green pea crop was 13 percent smaller in 1988 than in 1987 and total value was down 18 percent.

VALUE OF PRODUCTION: PERCENT OF TOTAL, BY VEGETABLE CROP, OREGON, 1988



VEGETABLE CROPS: Acreage, Production and Value, 1986-1988

Crop Year	Area Planted	Area Harvested	Yield	Production	Value Per Unit	Value
	Acres		Cwt.	1,000 Cwt.	$/Cwt.	1,000 Dollars
FRESH MARKET:						
Sweet Corn						
1986	2,400	2,300	120	276	18.60	5,134
1987	2,500	2,400	115	276	18.20	5,023
1988	2,400	2,300	120	276	22.40	6,182
Onions						
Malheur County						
1986	8,600	8,500	530	4,505	12.10	45,786
1987	9,300	9,200	600	5,520	10.20	44,962
1988	10,300	10,100	530	5,353	10.50	48,699
Other Oregon						
1986	3,300	3,200	450	1,440	13.40	16,616
1987	3,600	3,600	420	1,512	13.20	16,315
1988	3,700	3,600	360	1,296	10.70	11,235
DUAL PURPOSE:[1]						
Broccoli						
1986	3,000	3,000	100	300	19.00	5,689
1987	3,100	3,000	105	315	19.50	6,134
1988	2,800	2,800	93	260	23.20	6,023
Carrots						
1986	1,100	1,000	460	460	9.14	4,206
1987	800	800	475	380	9.08	3,449
1988	1,000	950	540	513	10.50	5,373
Cauliflower						
1986	4,000	3,900	130	507	13.60	6,909
1987	3,700	3,600	140	504	14.50	7,314
1988	3,500	3,000	165	495	15.70	7,796
	Acres		Tons	Tons	$/Ton	1,000 Dollars
PROCESSING:						
Snap Beans						
1986	22,500	22,300	6.22	138,710	174.00	24,136
1987	20,400	20,300	5.81	117,940	178.00	20,933
1988	21,700	21,700	5.77	125,210	174.00	21,787
Sweet Corn						
1986	35,900	34,900	9.24	322,480	66.60	21,477
1987	39,300	38,900	8.84	343,880	64.20	22,077
1988	37,100	37,100	9.18	340,580	71.30	24,283
Cucumbers						
1986	1,900	1,900	11.90	22,610	156.00	3,527
1987	1,900	1,900	12.08	22,950	157.00	3,603
1988	2,200	2,200	12.10	26,620	177.00	4,712
Green Peas						
1986	29,500	29,200	1.17	34,160	198.00	6,764
1987	34,500	33,300	1.31	43,620	200.00	8,724
1988	26,400	26,000	1.44	37,800	192.00	7,188
TOTAL:						
1986	112,200	110,200	—	892,360	—	140,244
1987	119,100	117,000	—	953,740	—	138,594
1988	111,100	109,750	—	939,860	—	143,278

[1] Includes fresh and processing.

MAJOR PROCESSING VEGETABLES AND ONIONS: Acreage and Production, by Counties, 1986-1988

Crop and County	1986		1987		1988	
	Harvested Acres	Production	Harvested Acres	Production	Harvested Acres	Production
	Acres	Tons	Acres	Tons	Acres	Tons
Sweet Corn, Processing						
Benton	2,300	20,250	2,700	22,700	2,830	25,940
Clackamas	1,450	13,450	1,440	13,100	1,340	13,000
Columbia	—	—	—	—	1,290	12,270
Lane	2,080	17,100	2,760	23,350	2,780	26,960
Linn	3,200	30,450	4,160	37,130	3,200	29,780
Marion	14,700	137,600	15,600	137,400	15,220	137,240
Multnomah	1,040	9,480	900	7,850	140	1,350
Polk	1,400	12,800	1,630	13,250	1,510	11,880
Washington	2,500	23,600	2,710	25,700	2,180	22,990
Yamhill	2,730	25,650	3,150	27,400	3,070	27,830
Malheur	3,300	30,350	3,650	34,050	3,380	28,710
Other Counties	200	1,750	200	1,950	160	1,500
TOTAL	34,900	322,480	38,900	343,880	37,100	339,450
Snap Beans, Processing						
Benton	1,650	11,000	2,020	12,025	1,920	10,445
Lane	1,730	12,425	1,760	11,250	2,100	12,290
Linn	1,900	13,520	1,900	10,925	2,050	11,580
Marion	12,380	75,560	10,800	62,940	11,450	66,810
Polk	510	3,605	490	2,710	710	4,155
Washington	760	4,670	730	4,050	700	4,095
Yamhill	1,470	9,920	1,380	8,535	1,650	9,660
Umatilla	1,500	5,340	1,000	4,065	1,000	5,235
Other Counties	400	2,670	220	1,440	120	730
TOTAL	22,300	138,710	20,300	117,940	21,700	125,000
Green Peas, Processing						
Marion	3,070	6,370	2,670	5,750	2,940	7,100
Umatilla	23,520	21,860	28,100	32,850	20,700	25,330
Other Counties	2,610	5,930	2,530	5,020	2,360	5,370
TOTAL	29,200	34,160	33,300	43,620	26,000	37,800
	Acres	1,000 Cwt.	Acres	1,000 Cwt.	Acres	1,000 Cwt.
Onions, Dry						
Clackamas	140	61	140	60	80	30
Marion	1,500	701	1,700	700	1,900	684
Washington	350	135	400	157	450	171
Yamhill	250	100	300	115	350	126
Malheur	8,500	4,505	9,200	5,520	9,800	5,034
Umatilla	830	400	970	440	1,020	561
Other Counties	130	53	90	40	100	43
TOTAL	11,700	5,945	12,800	7,032	13,700	6,649

Source: Preliminary county estimates from Extension Economic Information Office, Oregon State University, adjusted to Oregon Agricultural Statistics Service state estimates.

SNAP BEANS, Processing: Acreage, Yield, Production and Value, 1920-1988

Year	Acreage		Yield	Production	Season Average Price	Value of Production
	Planted	Harvested				
	Acres	Acres	Tons	Tons	$/Ton	1,000 Dollars
1920	—	200	2.60	500	58.96	29
1925	—	1,200	4.00	4,800	60.18	289
1930	880	880	3.50	3,100	60.00	186
1935	1,160	1,100	5.60	6,200	53.60	329
1936	1,340	1,340	5.70	7,600	56.60	430
1937	1,930	1,890	6.20	11,700	59.20	693
1938	2,650	2,600	5.30	13,800	48.80	673
1939	1,950	1,950	4.80	9,400	48.50	456
1940	2,300	2,210	6.80	15,000	51.10	766
1941	4,100	3,800	5.80	22,000	64.00	1,423
1942	4,100	4,000	5.30	21,200	103.70	2,198
1943	4,500	4,400	6.60	29,000	127.40	3,695
1944	4,600	4,500	6.20	27,900	130.40	3,638
1945	4,500	4,400	6.10	26,800	117.00	3,136
1946	4,900	4,800	6.00	28,800	124.10	3,574
1947	4,800	4,700	7.00	32,900	129.70	4,267
1948	5,400	4,900	7.00	34,300	131.70	4,517
1949	6,800	6,600	8.20	54,100	134.30	7,266
1950	6,700	6,600	8.10	53,500	125.70	6,725
1951	7,400	7,370	8.00	59,000	124.70	7,357
1952	6,600	6,550	7.90	51,700	121.50	6,403
1953	7,800	7,650	7.20	55,100	131.10	7,224
1954	9,700	9,400	7.60	71,400	133.10	9,503
1955	10,500	10,500	7.80	81,900	126.30	10,344
1956	10,700	10,600	7.30	77,400	128.20	9,923
1957	10,600	10,600	8.10	86,000	129.70	11,154
1958	10,700	10,700	8.30	88,800	124.10	11,020
1959	11,300	11,100	7.50	83,200	124.30	10,342
1960	12,000	11,700	7.10	83,100	125.00	10,388
1961	16,400	16,300	7.20	117,400	116.00	13,618
1962	16,400	16,300	6.90	112,500	119.00	13,388
1963	18,100	17,300	7.30	126,300	115.00	14,524
1964	19,300	19,200	5.80	111,400	117.00	13,034
1965	22,100	21,900	5.60	122,600	109.00	13,363
1966	25,000	24,700	5.30	130,900	112.00	14,661
1967	29,800	29,600	5.00	148,000	113.00	16,724
1968	30,600	29,000	5.30	153,700	108.00	16,600
1969	29,400	28,700	5.00	143,500	110.00	15,785
1970	28,100	27,700	4.77	132,150	104.00	13,744
1971	33,600	32,000	4.10	131,200	103.00	13,514
1972	35,900	35,000	3.71	129,900	111.00	14,419
1973	42,400	42,000	4.27	179,350	108.00	19,370
1974	44,800	43,600	4.20	183,200	207.00	37,922
1975	33,100	32,400	4.23	137,100	148.00	20,291
1976	29,900	29,300	4.65	136,250	133.00	18,121
1977	33,100	32,500	4.31	140,200	152.00	21,310
1978	36,000	35,600	4.27	152,100	142.00	21,570
1979	38,500	38,400	4.49	172,420	153.00	26,380
1980	32,100	31,100	5.16	160,480	155.00	24,874
1981	27,400	27,400	5.27	144,400	158.00	22,815
1982	26,300	25,700	5.19	133,380	169.00	22,541
1983	22,900	22,400	5.52	123,650	159.00	19,660
1984	24,600	23,900	5.37	128,340	176.00	22,588
1985	23,400	23,200	5.38	124,820	174.00	21,719
1986	22,500	22,300	6.22	138,710	174.00	24,136
1987	20,400	20,300	5.81	117,940	178.00	20,993
1988	21,700	21,700	5.77	125,210	174.00	21,787

SWEET CORN, Processing: Acreage, Yield, Production and Value, 1934-1988

Year	Acreage		Yield	Production	Season Average Price	Value of Production
	Planted	Harvested				
	Acres	Acres	Tons	Tons	$/Ton	1,000 Dollars
1934	1,500	1,480	1.50	2,200	15.70	35
1935	3,300	2,600	1.40	3,600	15.70	57
1936	3,100	2,880	1.70	4,900	16.40	80
1937	4,300	4,000	2.40	9,600	13.90	133
1938	2,400	2,250	2.40	5,400	13.70	74
1939	1,900	1,770	2.20	3,900	12.90	50
1940	1,500	1,500	3.30	5,000	13.90	70
1941	2,500	2,450	4.30	10,500	17.10	180
1942	3,400	3,100	2.80	8,700	18.80	164
1943	4,900	4,700	3.50	15,400	26.80	440
1944	5,000	4,800	3.20	15,400	27.80	428
1945	5,800	5,700	3.60	20,500	28.90	592
1946	10,300	9,700	2.80	27,200	32.40	881
1947	11,400	11,200	3.80	42,600	32.90	1,402
1948	11,600	10,900	3.80	41,400	31.40	1,300
1949	12,800	11,900	4.40	52,400	28.20	1,478
1950	9,500	9,100	3.70	33,700	27.80	937
1951	14,900	13,700	4.00	54,800	32.90	1,803
1952	16,000	15,500	4.50	69,800	32.80	2,289
1953	18,400	17,800	4.60	81,900	32.50	2,662
1954	14,900	13,500	4.50	60,800	25.90	1,575
1955	12,000	11,500	4.70	54,000	27.40	1,480
1956	17,500	17,000	5.20	88,400	27.80	2,458
1957	15,400	15,100	5.35	80,800	27.60	2,230
1958	15,600	15,400	5.00	77,000	24.90	1,917
1959	17,900	17,700	5.29	93,600	27.20	2,546
1960	21,900	21,500	4.95	106,400	23.90	2,543
1961	29,200	26,700	4.62	123,400	23.90	2,949
1962	27,200	26,800	5.56	149,000	25.70	3,829
1963	23,900	23,000	5.21	119,800	26.40	3,163
1964	25,100	24,800	5.79	143,600	25.00	3,590
1965	30,500	28,800	5.82	167,600	24.10	4,039
1966	34,500	33,400	6.74	225,100	24.90	5,605
1967	37,000	34,800	6.24	217,200	29.40	6,386
1968	43,400	41,600	7.00	291,200	29.90	8,707
1969	35,100	33,800	7.79	263,300	28.40	7,478
1970	30,200	29,500	7.08	208,850	27.50	5,743
1971	35,600	35,000	6.40	224,000	28.90	6,474
1972	39,500	39,200	7.01	274,800	29.90	8,217
1973	41,600	40,600	7.36	298,800	39.40	11,773
1974	42,100	41,400	7.23	299,400	73.70	22,066
1975	43,100	41,300	7.73	319,200	61.70	19,695
1976	40,700	39,900	7.84	312,750	57.30	17,921
1977	42,100	40,900	7.38	301,700	64.40	19,429
1978	40,400	40,200	7.96	320,000	58.60	18,740
1979	39,600	37,800	8.53	322,430	62.70	20,216
1980	34,100	33,700	8.68	292,520	62.30	18,224
1981	40,000	39,900	8.11	323,590	67.00	21,681
1982	46,500	45,500	9.01	409,960	70.50	28,902
1983	39,600	38,800	8.55	331,740	68.50	22,724
1984	42,500	42,000	8.70	365,400	71.10	25,980
1985	38,800	38,600	9.19	354,730	69.70	24,725
1986	35,900	34,900	9.24	322,480	66.60	21,477
1987	39,300	38,900	8.84	343,880	64.20	22,077
1988	37,100	37,100	9.18	340,580	71.30	24,283

GREEN PEAS, Processing: Acreage, Yield, Production and Value, 1934-1988

Year	Acreage		Yield	Production	Season Average Price	Value of Production
	Planted	Harvested				
	Acres	Acres	Tons	Tons	$/Ton	1,000 Dollars
1934	3,600	3,050	.90	2,740	53.00	145
1935	9,300	8,180	.88	7,160	54.50	390
1936	17,000	16,150	.80	12,840	51.50	661
1937	22,100	21,200	.73	15,480	55.30	856
1938	22,230	20,450	.85	17,280	50.70	876
1939	19,900	19,100	.96	18,340	47.90	878
1940	29,900	29,000	.71	20,590	43.80	902
1941	30,900	20,400	1.72	35,090	43.00	1,509
1942	42,500	21,200	1.90	40,280	54.30	2,187
1943	49,300	36,200	1.45	52,310	75.90	3,970
1944	52,400	48,400	.96	46,220	77.90	3,601
1945	56,800	44,300	.93	41,200	81.80	3,370
1946	61,000	58,400	.99	57,520	81.10	4,665
1947	62,600	57,200	1.02	58,340	83.20	4,854
1948	51,220	40,830	1.21	49,400	86.80	4,288
1949	48,500	47,600	.79	37,600	87.50	3,290
1950	55,750	52,260	1.06	55,400	75.50	4,183
1951	61,000	57,400	.95	54,530	88.80	4,842
1952	49,800	48,800	1.15	56,120	88.00	4,939
1953	56,900	46,400	1.19	54,980	91.00	5,003
1954	58,700	56,400	.77	43,150	85.10	3,672
1955	63,000	59,000	.66	38,640	87.10	3,366
1956	68,800	64,000	1.30	83,200	85.40	7,105
1957	67,300	63,900	1.12	71,250	86.20	6,142
1958	59,500	56,400	1.08	60,630	77.30	4,687
1959	60,400	55,900	1.26	70,150	85.70	6,012
1960	57,400	57,200	.90	51,480	82.40	4,242
1961	70,900	62,500	.89	55,310	81.20	4,491
1962	69,900	60,700	1.04	63,130	84.10	5,309
1963	60,600	59,600	1.08	64,370	89.00	5,729
1964	60,800	52,600	.93	48,900	85.50	4,181
1965	60,000	56,400	1.38	77,850	88.00	6,851
1966	56,000	47,800	.95	45,400	95.70	4,345
1967	59,100	55,600	.93	51,700	106.00	5,480
1968	60,400	48,400	.75	36,300	108.00	3,920
1969	52,300	47,300	1.23	58,200	101.00	5,878
1970	47,500	43,700	.97	42,400	99.90	4,236
1971	45,200	39,500	1.44	56,900	93.80	5,337
1972	45,600	44,800	1.22	54,650	98.00	5,356
1973	52,400	50,600	.74	37,450	119.00	4,457
1974	45,500	43,000	1.23	52,900	203.00	10,739
1975	52,200	49,100	1.12	55,000	205.00	11,275
1976	37,100	35,900	1.28	46,000	178.00	8,188
1977	32,200	27,700	.83	23,000	194.00	4,462
1978	37,800	36,900	1.23	45,400	150.00	6,810
1979	42,900	42,000	1.07	44,940	169.00	7,595
1980	34,800	32,600	1.66	54,120	173.00	9,363
1981	33,800	32,300	1.37	44,250	179.00	7,921
1982	33,800	33,700	1.09	36,730	202.00	7,419
1983	34,900	34,400	1.17	40,250	173.00	6,963
1984	36,000	33,600	1.48	49,730	211.00	10,493
1985	37,100	35,400	1.22	43,190	204.00	8,811
1986	29,500	29,200	1.17	34,160	198.00	6,764
1987	34,500	33,300	1.31	43,620	200.00	8,724
1988	26,400	26,000	1.44	37,800	192.00	7,188

ONIONS, Storage: Acreage, Yield, Production and Value, 1934-1988

Year	Acreage		Yield	Production	Season Average Price	Value of Production
	Planted	Harvested				
	Acres	Acres	Cwt.	1,000 Cwt.	$/Cwt.	1,000 Dollars
1934	—	2,100	240	504	1.45	731
1935	—	2,200	285	627	1.21	759
1936	—	2,200	150	330	.96	317
1937	—	2,300	300	690	1.30	897
1938	—	2,900	290	841	.90	757
1939	—	3,600	242	870	.72	624
1940	—	3,300	228	706	1.18	830
1941	—	3,000	292	876	2.44	2,144
1942	—	3,500	196	610	1.74	1,062
1943	—	3,600	250	898	2.56	2,306
1944	—	4,800	273	1,185	1.76	2,092
1945	—	4,500	312	1,405	2.72	3,814
1946	4,800	4,800	308	1,371	1.36	1,858
1947	3,700	3,700	334	1,234	3.62	4,465
1948	3,700	3,600	304	1,097	2.00	2,204
1949	4,100	4,100	444	1,822	2.27	4,130
1950	4,700	4,600	385	1,770	1.07	1,893
1951	4,800	4,800	414	1,989	2.70	5,361
1952	4,700	4,600	433	1,990	3.58	7,124
1953	5,600	5,500	404	2,221	.82	1,829
1954	5,200	5,200	428	2,228	1.51	3,374
1955	5,400	4,800	423	2,208	1.80	3,650
1956	5,000	4,700	388	1,822	1.87	3,412
1957	5,000	4,700	364	1,712	2.40	4,115
1958	5,000	4,900	400	1,960	3.24	6,345
1959	5,200	5,000	487	2,334	1.98	3,524
1960	5,400	5,000	404	2,018	2.57	4,206
1961	5,300	5,200	403	2,094	4.65	8,276
1962	5,100	5,100	434	2,213	2.19	3,895
1963	5,400	5,300	417	2,208	3.99	7,275
1964	5,600	5,500	457	2,442	2.25	5,500
1965	5,600	5,500	469	2,579	2.64	5,300
1966	6,000	5,800	482	2,793	4.25	11,861
1967	6,000	5,800	381	2,208	4.78	10,545
1968	7,000	6,800	479	3,256	2.32	5,691
1969	6,600	6,500	469	3,048	4.94	12,692
1970	7,200	6,800	447	3,039	2.52	7,647
1971	7,100	7,000	453	3,168	3.47	11,003
1972	7,200	7,100	478	3,392	6.50	22,041
1973	7,800	7,700	510	3,927	6.27	24,638
1974	7,700	7,500	520	3,576	3.59	12,854
1975	7,700	7,600	477	3,567	7.45	26,571
1976	8,300	8,200	541	4,433	5.90	26,153
1977	9,200	8,700	493	4,287	3.95	16,954
1978	9,600	9,300	450	4,187	7.57	31,688
1979	9,600	9,500	503	4,776	3.48	16,622
1980	8,900	8,700	522	4,538	12.06	54,737
1981	9,100	8,900	501	4,460	13.46	60,047
1982	10,300	10,000	482	4,821	4.32	20,803
1983	11,200	10,900	486	5,292	12.70	67,183
1984	14,300	14,100	481	6,785	8.66	58,754
1985	13,400	13,100	518	6,785	4.49	30,465
1986	11,900	11,700	508	5,945	10.50	62,402
1987	12,900	12,800	549	7,032	8.71	61,277
1988	14,000	13,700	485	6,649	9.01	59,934

COLD STORAGE HOLDINGS: Selected Items, Quarterly, United States, 1985-1988

Commodity	March 31	June 30	September 30	December 31
	1,000 Pounds			
BERRIES:				
Blackberries				
1985	8,440	4,992	17,770	13,201
1986	9,312	6,629	20,427	16,730
1987	12,394	9,965	29,582	22,661
1988	16,007	10,163	29,301	23,513
Blueberries				
1985	35,105	20,128	77,714	60,397
1986	37,897	20,367	68,264	49,568
1987	32,548	17,950	71,665	50,707
1988	31,803	15,824	93,462	67,499
Boysenberries				
1985	2,063	3,119	3,358	2,191
1986	2,750	3,190	3,932	2,829
1987	2,102	3,563	5,553	4,597
1988	3,291	2,534	5,202	3,912
Raspberries, Red				
1985	18,573	10,670	33,998	24,468
1986	15,783	12,412	37,536	27,159
1987	16,478	27,613	46,748	36,027
1988	26,612	17,449	55,012	39,560
Strawberries				
1985	119,488	252,193	231,962	167,056
1986	110,216	233,489	198,831	146,616
1987	100,497	311,750	301,469	236,009
1988	161,933	329,587	312,026	235,189
VEGETABLES:				
Green Beans, Regular				
1985	82,588	52,706	187,581	129,979
1986	78,947	52,046	181,229	138,978
1987	83,137	60,473	194,953	139,239
1988	85,965	44,716	156,653	111,481
Green Beans, French				
1985	28,805	22,471	62,101	41,905
1986	29,685	19,104	56,575	43,635
1987	25,493	13,707	57,797	43,659
1988	26,046	15,123	47,218	34,937
Sweet Corn, Cut				
1985	141,083	74,514	282,432	228,342
1986	128,885	64,575	298,607	236,525
1987	131,876	52,119	333,649	283,441
1988	153,389	69,724	253,438	205,336
Sweet Corn, Cob				
1985	160,358	68,539	292,459	282,261
1986	187,902	97,996	267,208	254,231
1987	166,108	87,932	336,313	283,105
1988	204,385	114,505	270,886	230,157
Green Peas				
1985	145,141	228,352	431,648	314,974
1986	208,615	227,592	355,786	249,865
1987	155,489	233,334	386,815	251,150
1988	128,554	162,651	282,612	166,799
French Fries				
1985	822,264	884,232	699,516	861,417
1986	877,974	930,717	630,973	729,394
1987	688,297	820,256	625,344	727,103
1988	816,486	823,102	751,484	825,348
Other Frozen Potatoes				
1985	181,026	174,207	161,931	150,892
1986	139,279	166,137	140,259	164,658
1987	168,290	183,072	148,898	155,457
1988	148,626	177,669	166,418	163,340

FLORICULTURE: Production and Wholesale Value, 1987-1989

Types	Production Area			Number Sold				Wholesale Value	
	1987	1988	1989[1]	Unit	1987	1988	1989[1]	1987	1988
	1,000 Sq. Feet				1,000 Units			1,000 Dollars	
Cut Flowers	—	—	—	—	—	—	—	3,519	5,274
Potted Flowering Plants:									
Chrysanthemums	415	162	—	pots	662	470	472	1,582	1,514
Florist Azaleas	993	1,135	—	pots	1,317	1,256	1,361	4,232	4,705
Easter Lilies	82	84	—	pots	153	125	131	578	449
Poinsettias	953	908	—	pots	712	813	867	2,582	2,503
Other	264	446	—	pots	444	1,786	2,194	831	2,256
Bedding Plants:									
Geraniums	64	83	—	flats	23	29	28	223	298
Flowering	1,630	1,725	—	flats	861	982	1,055	6,518	6,756
Vegetable	260	202	—	flats	136	123	125	934	820
Potted Bedding Plants:									
Hardy/Garden Mums	274	207	—	pots	506	461	481	476	399
Geraniums (cuttings)	396	436	—	pots	1,325	1,314	1,316	1,481	1,508
Geraniums (seed)	174	86	—	pots	829	399	395	585	316
Flowering	676	1,414	—	pots	1,811	6,670	7,380	1,412	4,548
Vegetable	57	154	—	pots	194	684	746	94	338
Potted Foliage[2]	445	477	478	—	—	—	—	927	1,015
Flowering Hanging Baskets	—	—	—	baskets	377	290	347	3,314	2,279
Foliage Hanging Baskets	—	—	—	baskets	43	70	67	178	235

[1] 1989 data are intentions.
[2] Wholesale value is actually net value of sales.

LIVESTOCK

Production of all livestock, dairy, and poultry products in Oregon was valued at $682 million in 1988. The increase of $53 million in value from 1987 was due mostly to a $46 million increase in value of cattle production. This and other increases (broiler, eggs, turkeys, wool, honey and mink) were lessened by decreases in milk, hogs and pigs, sheep and lambs and farm chickens. Approximately 32 cents of every dollar of Oregon farm income is from the sale of livestock and livestock products.

Cattle and calves amounted to 49 percent of the dollar generated from all livestock products in the state. Cattle raising remains the largest generator of livestock value in Oregon. Production in 1988, as measured in pounds, was nearly 4 percent more than a year earlier. Overall, the total value of production was up nearly 16 percent as the average price for beef cattle increased over six dollars per hundredweight from the 1987 average. Cash receipts increased slightly over 1987.

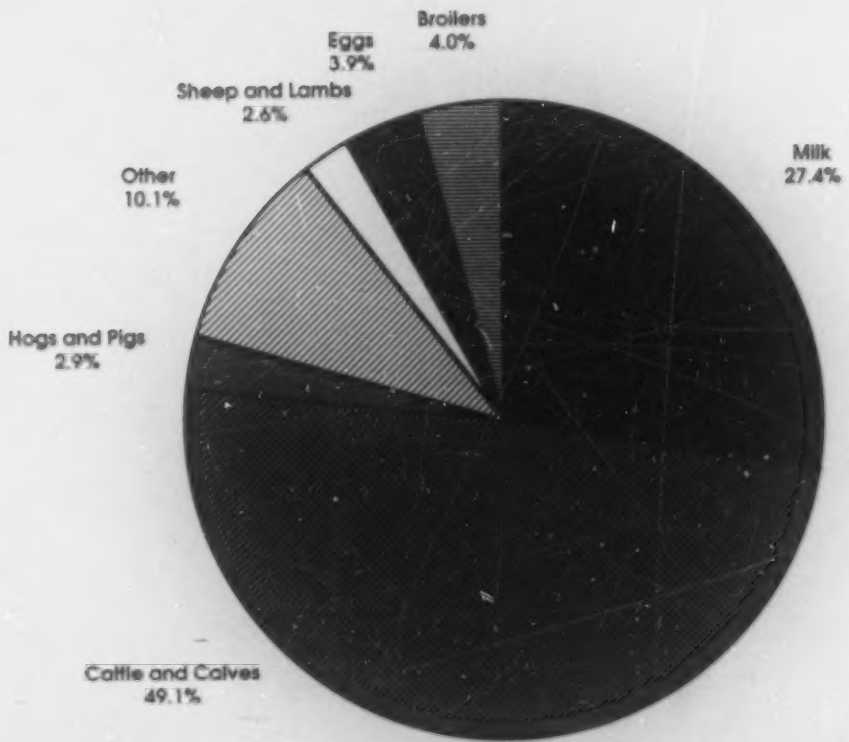
Oregon's dairy industry maintained its second place in the value of livestock production, a gain for 1988, accounting for 27 percent of the livestock total. For 1988, the value of milk production was almost $187 million, slipping slightly, less than 1 percent from 1987. Average prices for both milk and milkfat was down slightly from 1987. The milk price fell from $12.73 per hundredweight to $12.43 for 1988. Cash receipts were down less than 1 percent for 1988 but still at almost $182 million.

About 11 cents of every dollar of Oregon livestock value of production is due to poultry products. In 1988, the value of production of broilers, eggs and turkeys increased while the value of farm chickens decreased. Broiler production value increased sharply over 1987, an increase of over $5 million. Broiler production value at $27 million for 1988 was the result of more broilers being raised and farmers receiving a much higher price (33 cents per pound) than last year. Egg production value increased almost 7 percent over 1987, partially recovering some of its sharp decline for 1987. While egg production declined, the average price received per dozen increased 5.0 cents per dozen up to 52.0 cents. Turkey production value was slightly higher than last year and almost reached $13 million. Offsetting lower numbers of turkeys raised was a much higher price of 43.0 cents per pound.

Hogs and pigs production value dropped sharply from 1987, down to $20 million from $25 million for 1987. The major factor causing this decline was a lower price of only $44.10 per hundredweight compared with 1987's level of $53.20 per hundredweight.

Sheep and lambs value of production, like hogs and pigs, also showed a sharp decline from 1987. Sheep and lamb value of production declined 21 percent or $5 million during the last year, stopping the upward value trend since 1982. The average price for lambs, at $62.30, is $13.50 per hundredweight below last year. Slightly offsetting the lower values for sheep and lambs was a higher value of wool production. The larger value of production for wool was caused by both more production and a higher price for wool of 94 cents per pound.

VALUE OF PRODUCTION: PERCENT OF TOTAL, BY LIVESTOCK GROUPS, OREGON, 1988



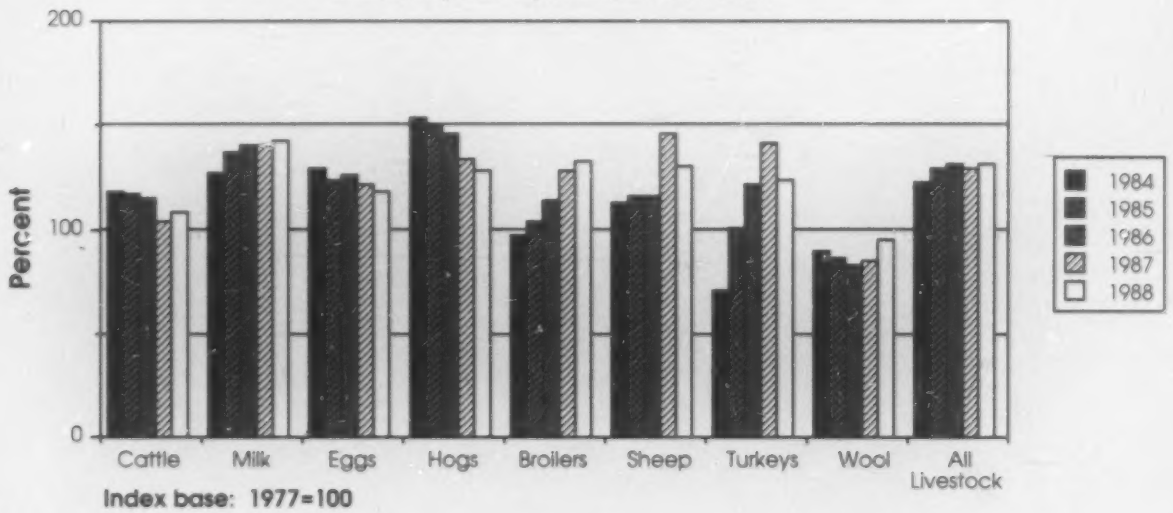
VALUE OF PRODUCTION: Livestock, Dairy and Poultry, 1986-1988[1]

Species	Value			Percent of Total		
	1986	1987	1988	1986	1987	1988
	1,000 Dollars			Percent		
Cattle and Calves	253,925	288,987	335,090	43.0	45.9	49.1
Milk	187,647	187,287	186,852	31.8	29.7	27.4
Broilers	22,752	22,372	27,403	3.9	3.6	4.0
Eggs	29,710	24,988	26,737	5.0	4.0	3.9
Hogs and Pigs	25,954	24,793	19,730	4.4	3.9	2.9
Sheep and Lambs	17,048	22,132	17,477	2.9	3.5	2.6
Turkeys	11,933	12,526	12,771	2.0	2.0	1.9
Mink	8,127	9,104	10,410	1.4	1.5	1.5
Wool	1,723	2,042	3,034	.3	.3	.4
Honey	1,421	1,201	1,778	.2	.2	.3
Farm Chickens	480	710	420	.1	.1	.1
Miscellaneous Livestock	29,765	33,535	40,638	5.0	5.3	5.9
TOTAL	590,485	629,677	682,340	100.0	100.0	100.0

[1] Methodology differs slightly from that of O.S.U. Extension Service.

LIVESTOCK INDEX OF PRODUCTION, OREGON

Based on pounds produced 1984-1988



Index base: 1977=100

LIVESTOCK VALUE: Value of Inventory On Farms, January 1, 1986-1989

Year	Value Per Head				Total Value			
	All Cattle	All Sheep & Lambs	All Hogs[1]	All[1 2] Chickens	All Cattle	All Sheep & Lambs	All Hogs[1]	All[1 2] Chickens
	Dollars				1,000 Dollars			
1986	390.00	62.00	78.50	1.90	614,250	26,660	9,813	6,232
1987	420.00	69.00	93.00	1.90	588,000	28,635	10,695	6,394
1988	540.00	83.00	87.50	1.60	734,400	40,670	8,750	4,760
1989	590.00	67.50	73.00	1.60	820,100	32,063	7,300	4,880

[1] December 1 preceding year.
[2] Excludes commercial broilers.

CATTLE AND CALVES: Inventory, Calf Crop and Value, 1870-1989

Year	All Cattle & Calves January 1	All Cows & Heifers That Have Calved[1]		Calf Crop	Value	
		Beef Cows January 1	Milk Cows January 1		Average Per Head	Total
	1,000 Head				Dollars	1,000 Dollars
1870	373	—	42	—	23.10	8,626
1875	465	—	46	—	15.30	7,111
1880	631	—	50	—	11.90	7,508
1885	603	—	69	—	27.10	16,350
1890	587	—	98	—	18.90	11,086
1895	605	—	113	—	13.50	8,184
1900	628	—	115	—	24.80	15,569
1905	846	—	130	—	16.70	14,113
1910	677	—	160	—	23.50	15,900
1915	779	—	180	—	42.60	33,174
1920	891	218	200	—	52.30	46,599
1925	796	203	217	315	34.40	27,382
1930	757	161	229	294	54.70	41,408
1935	928	212	275	351	23.50	21,840
1940	937	208	262	385	37.60	35,231
1945	1,158	322	284	436	63.20	73,186
1950	1,085	328	233	449	110.00	119,350
1951	1,096	347	228	477	163.00	178,648
1952	1,238	404	226	510	185.00	229,030
1953	1,374	431	228	587	122.00	167,628
1954	1,443	486	233	611	93.00	134,199
1955	1,486	495	233	619	91.00	135,226
1956	1,427	495	214	603	83.00	118,441
1957	1,327	472	201	586	86.00	114,122
1958	1,327	475	191	579	116.00	153,932
1959	1,393	519	183	618	149.00	207,557
1960	1,421	553	181	624	128.00	181,888
1961	1,435	555	177	630	130.00	186,550
1962	1,435	572	170	668	131.00	187,985
1963	1,492	610	163	688	135.00	201,420
1964	1,611	663	150	724	124.00	199,764
1965	1,659	693	142	735	102.00	169,218
1966	1,626	680	133	724	128.00	208,128
1967	1,593	664	124	709	150.00	238,950
1968	1,577	671	116	700	142.00	223,934
1969	1,530	654	111	696	152.00	232,560
1970	1,514	652	107	692	175.00	264,950
1971	1,529	645	96	699	185.00	282,865
1972	1,529	647	94	699	200.00	305,800
1973	1,514	669	94	730	265.00	401,210
1974	1,560	698	92	740	295.00	460,200
1975	1,650	709	91	665	165.00	272,250
1976	1,500	638	92	650	195.00	292,500
1977	1,520	627	93	650	200.00	304,000
1978	1,490	622	93	630	230.00	342,700
1979	1,540	632	93	636	405.00	623,700
1980	1,575	681	94	705	485.00	763,875
1981	1,750	729	96	750	460.00	805,000
1982	1,800	730	97	720	400.00	720,000
1983	1,650	670	100	710	395.00	651,750
1984	1,710	709	101	700	400.00	684,000
1985	1,650	639	96	650	410.00	676,500
1986	1,575	598	102	610	390.00	614,250
1987	1,400	568	92	599	420.00	588,000
1988	1,360	547	94	625	540.00	734,400
1989	1,390	573	94	—	590.00	820,100

[1] Prior to January 1, 1974 this category was defined as cows and heifers 2 years old and older.

CATTLE AND CALVES: Inventory by Classes and Weight, January 1, 1984-1989

Year	All Cattle and Calves	All Cows and Heifers that have Calved			Heifers 500 Lbs. and Over				Steers 500 Lbs. and Over	Bulls 500 Lbs. and Over	Steers, Heifers and Bulls Under 500 Lbs.
		Total	Beef Cows	Milk Cows	Total	Beef Cow Replacements	Milk Cow Replacements	Other			
	1,000 Head										
1984	1,710	810	709	101	270	150	45	75	170	45	415
1985	1,650	735	639	96	280	115	55	110	205	40	390
1986	1,575	700	598	102	274	100	57	117	190	36	375
1987	1,400	660	568	92	224	91	49	84	155	34	327
1988	1,360	641	547	94	226	97	44	85	166	32	295
1989	1,390	667	573	94	238	110	44	84	185	35	265

CATTLE AND CALVES: Inventory and Disposition, 1983-1988

Year	Inventory Beginning of Year	Calf Crop	Inship-ments	Marketings[1]		Farm Slaughter Cattle and Calves[2]	Deaths		Inventory End of Year
				Cattle	Calves		Cattle	Calves	
	1,000 Head								
1983	1,650	710	100	406	205	39	35	65	1,710
1984	1,710	700	100	481	231	38	40	70	1,650
1985	1,650	650	90	505	185	30	30	65	1,575
1986	1,575	610	70	532	201	30	32	60	1,400
1987	1,400	599	90	443	176	30	30	50	1,360
1988	1,360	625	80	400	172	23	25	55	1,390

[1] Includes custom slaughter for use on farms where produced and state outshipments, but excludes interfarm sales within the state.
[2] Excludes custom slaughter for farmers at commercial establishments.

CATTLE AND CALVES: Production and Income, 1983-1988

Year	Production[1]	Marketings[2]	Average Price Per 100 Lbs.		Value of Production	Cash Receipts[3]	Value of Home Consumption	Gross Income
			Cattle	Calves				
	1,000 Lbs.		Dollars		1,000 Dollars		1,000 Dollars	
1983	564,250	532,740	46.90	57.90	273,461	258,560	23,027	281,587
1984	554,635	627,180	48.70	57.20	277,498	313,355	21,284	334,639
1985	551,285	633,120	46.50	59.10	264,983	303,394	21,704	325,098
1986	540,680	690,930	45.50	57.90	253,925	324,044	16,519	340,563
1987	488,415	540,565	57.80	76.00	288,987	320,702	19,944	340,646
1988	508,090	494,090	64.00	85.60	335,090	328,020	19,002	347,022

[1] Adjustments made for changes in inventory and for inshipments.
[2] Excludes custom slaughter for use on farms where produced and interfarm sales within the state.
[3] Receipts from marketings and sale of farm slaughter.

MILK COWS AND MILK PRODUCTION: 1925-1988

Year	Number of Milk Cows On Farms[1]	Production of Milk and Milkfat[2]				
		Per Milk Cow		Percentage of Fat In All Milk Production	Total	
		Milk	Milkfat		Milk	Milkfat
	1,000 Head	Pounds		Percent	Million Pounds	
1925	212	4,940	212	4.30	1,047	45
1930	230	5,500	236	4.30	1,265	54
1935	255	5,210	229	4.40	1,329	58
1940	248	5,620	253	4.50	1,394	63
1941	250	5,710	257	4.50	1,428	64
1942	255	5,670	255	4.50	1,446	65
1943	258	5,470	246	4.50	1,411	63
1944	255	5,520	248	4.50	1,408	63
1945	244	5,550	250	4.50	1,354	61
1946	228	5,630	253	4.50	1,284	58
1947	221	5,860	264	4.50	1,295	58
1948	214	5,760	259	4.50	1,233	55
1949	215	5,800	261	4.50	1,247	56
1950	211	5,940	267	4.50	1,253	56
1951	201	5,950	268	4.50	1,196	54
1952	201	5,850	263	4.50	1,176	53
1953	203	5,980	266	4.45	1,214	54
1954	205	6,040	269	4.45	1,238	55
1955	198	6,100	268	4.40	1,208	53
1956	185	6,300	274	4.35	1,166	51
1957	176	6,450	281	4.35	1,135	49
1958	168	6,700	288	4.30	1,126	48
1959	164	6,770	288	4.25	1,110	47
1960	162	6,980	297	4.25	1,131	48
1961	157	7,010	294	4.20	1,101	46
1962	153	7,300	303	4.15	1,117	46
1963	141	7,380	306	4.15	1,041	43
1964	134	7,540	313	4.15	1,010	42
1965	127	7,720	317	4.10	980	40
1966	122	8,020	329	4.10	978	40
1967	112	8,348	339	4.06	935	38
1968	105	9,190	372	4.05	965	39
1969	101	9,277	373	4.02	937	38
1970	97	10,000	397	3.97	970	39
1971	95	10,611	426	4.01	1,008	40
1972	94	10,691	421	3.94	1,005	40
1973	93	10,839	425	3.92	1,008	40
1974	91	11,033	429	3.89	1,004	39
1975	91	10,879	424	3.90	990	39
1976	92	11,130	432	3.88	1,024	40
1977	93	11,312	432	3.82	1,052	40
1978	93	11,452	439	3.83	1,065	41
1979	94	11,734	442	3.77	1,103	42
1980	95	12,305	466	3.79	1,169	44
1981	97	12,577	470	3.74	1,220	46
1982	99	13,141	494	3.76	1,301	49
1983	101	13,495	506	3.75	1,363	51
1984	98	13,653	512	3.75	1,338	50
1985	100	14,380	548	3.81	1,438	55
1986	99	14,859	560	3.77	1,471	56
1987	92	15,989	598	3.74	1,471	55
1988	94	15,989	603	3.77	1,503	57

[1] Average number during year, excluding heifers not yet fresh.
[2] Excludes milk sucked by calves.

MILK COWS AND MILK PRODUCTION: By Months and Annual, 1986-1988

Month and Annual	Milk Cows on Farms[1]			Milk Per Cow[2]			Milk Production[2]		
	1986	1987	1988	1986	1987	1988	1986	1987	1988
	1,000 Head			Pounds			Million Pounds		
January	102	—	—	1,176	—	—	120	—	—
February	102	92	94	1,078	3,772	3,840	110	347	361
March	102	—	—	1,235	—	—	126	—	—
April	—	—	—	—	—	—	—	—	—
May	103[3]	92	94	3,816[3]	4,228	4,202	393[3]	389	395
June	—	—	—	—	—	—	—	—	—
July	—	—	—	—	—	—	—	—	—
August	98[3]	92	94	3,847[3]	4,130	4,085	377[3]	380	384
September	—	—	—	—	—	—	—	—	—
October	—	—	—	—	—	—	—	—	—
November	93[3]	93	94	3,710[3]	3,817	3,862	345[3]	355	363
December	—	—	—	—	—	—	—	—	—
Annual	99	92	94	14,859	15,989	15,989	1,471	1,471	1,503

[1] Excludes heifers not yet fresh.
[2] Excludes milk sucked by calves.
[3] Quarterly estimates were made for April-December 1986.

MILK DISPOSITION: 1984-88

Year	Milk Used Where Produced			Milk Marketed by Producers		
	Fed to Calves[1]	Used for Milk, Cream & Butter	Total	Sold to Plants and Dealers[2]	Sold Directly to Consumers[3]	Total
	Million Pounds					
1984	32	13	45	1,235	58	1,293
1985	23	9	32	1,345	61	1,406
1986	25	10	35	1,376	60	1,436
1987	23	9	32	1,383	56	1,439
1988	30	10	40	1,408	55	1,463

[1] Excludes milk sucked by calves.
[2] Includes milk produced by dealers own herds.
[3] Sales directly to consumer by producers who sell only milk from their own herds. Also includes milk produced by institutional herds.

DAIRY PRODUCTS: Marketings, Income and Value, 1984-1988

Year	Milk and Cream Sold				Used Where Produced for Milk, Cream & Butter		Gross Income[3]	Value of Production[4]
	Milk Utilized	Average Returns[1] Per 100 Pounds Milk	Average Returns[1] Per Pound Milkfat	Cash Receipts	Milk Util.	Value[2]		
	Million Pounds	Dollars		1,000 Dollars	Million Pounds		1,000 Dollars	
1984	1,293	13.88	3.70	179,404	13	1,804	181,208	185,648
1985	1,406	13.15	3.45	184,927	9	1,184	186,111	189,136
1986	1,436	12.76	3.38	183,182	10	1,276	184,458	187,647
1987	1,439	12.73	3.40	183,213	9	1,146	184,359	187,287
1988	1,463	12.43	3.30	181,880	10	1,243	183,123	186,852

[1] Cash receipts divided by milk or milkfat.
[2] Valued at average returns per 100 pounds of milk in combined marketings of milk and cream.
[3] Cash receipts from marketing of milk and cream plus value of milk used for home consumption and producer-churned butter.
[4] Includes value of milk fed to calves.

MANUFACTURED DAIRY PRODUCTS: Monthly and Annual, 1987-1988

Month	Butter		Cottage Cheese						Total Cheese[1]	
			Curd		Creamed		Lowfat			
	1987	1988	1987	1988	1987	1988	1987	1988	1987	1988
	1,000 Pounds									
January	1,154	1,405	841	727	1,215	904	398	389	2,310	2,538
February	1,115	1,464	930	886	1,097	1,107	434	496	2,143	2,368
March	917	1,434	994	847	1,074	1,053	446	459	2,793	2,674
April	1,059	1,336	933	835	1,114	1,063	489	411	2,773	2,708
May	1,156	1,412	832	812	1,161	1,004	392	421	3,006	2,744
June	879	1,350	895	846	1,204	1,073	442	442	2,947	2,717
July	998	882	845	821	1,168	1,026	439	434	2,829	2,874
August	1,071	856	817	842	1,095	975	398	468	2,726	2,687
September	1,121	909	817	952	1,045	1,114	402	474	2,468	2,375
October	1,073	1,010	844	816	1,105	955	399	442	2,330	2,490
November	1,006	992	733	825	1,034	951	381	447	2,265	2,553
December	1,242	1,175	774	726	1,077	975	299	442	2,407	2,596
Annual	12,791	14,225	10,255	9,935	13,389	12,200	4,919	5,325	30,997	31,324
Reporting Plants	8	8	12	12	12	12	8	8	4	5

[1] Excluding Cottage Cheese.

MANUFACTURED DAIRY PRODUCTS: Monthly and Annual, 1987-1988

Month	Ice Cream Mix		Total Ice Cream[1]		Ice Milk Mix[2]		Total Ice Milk[3]		Total Milk Sherbet	
	1987	1988	1987	1988	1987	1988	1987	1988	1987	1988
	1,000 Gallons									
January	209	333	507	590	172	138	254	200	19	12
February	292	334	737	562	177	152	278	221	8	15
March	344	364	815	841	224	202	358	307	23	16
April	422	368	746	629	207	189	320	281	54	18
May	299	375	666	578	203	237	308	350	35	33
June	420	326	917	651	313	292	465	427	33	32
July	424	296	760	621	228	286	359	436	41	44
August	466	451	762	901	235	308	363	461	26	44
September	383	319	684	681	191	242	308	365	54	33
October	330	239	515	658	192	218	297	334	20	19
November	296	197	654	431	182	212	280	322	39	21
December	339	190	600	431	204	204	314	375	35	17
Annual	4,224	3,792	8,363	7,574	2,528	2,706	3,904	4,079	387	304
Reporting Plants	13	13	*	*	12	14	*	*	*	*

[1] Includes hard and soft ice cream and must contain at least 10 percent butterfat.
[2] Includes milkshake mix.
[3] Includes substandard ice cream.
* Not published.

HOGS AND PIGS: Inventory By Classes, January 1, 1870-1963

Year	All Hogs and Pigs	Average Value per Head	Sows and Gilts 6 Months and Older[1]
	1,000 Head	Dollars	1,000 Head
1870	131	3.00	—
1875	159	3.75	N/A
1880	171	2.60	N/A
1885	164	3.75	N/A
1890	204	4.25	N/A
1895	260	4.00	N/A
1900	250	5.00	N/A
1905	238	6.10	N/A
1910	213	8.20	N/A
1915	330	9.50	N/A
1920	267	18.10	38
1925	223	10.20	34
1930	195	11.70	27
1935	176	6.30	27
1940	301	7.90	45
1945	212	17.40	28
1950	166	24.90	23
1955	127	27.90	22
1956	157	17.60	20
1957	135	23.20	19
1958	135	24.20	19
1959	177	24.90	24
1960	184	16.80	18
1961	177	23.30	19
1962	168	24.50	18
1963	151	23.80	16

[1] Excludes boars.

HOGS AND PIGS: Inventory By Classes, December 1, 1963-1988

Year	All Hogs and Pigs	Average Value Per Head	Breeding Total	Market				
				Under 60 Pounds	60-119 Pounds	120-179 Pounds	180 Pounds and Over	Total
	1,000 Head	Dollars	1,000 Head					
1963	142	19.00	18	57	33	22	10	124
1964	121	20.60	16	41	28	22	12	105
1965	108	35.70	15	37	23	20	11	93
1966	125	30.50	17	40	30	25	11	108
1967	116	26.00	16	37	30	20	11	100
1968	112	27.30	16	34	27	23	9	96
1969	108	33.30	15	33	30	19	10	93
1970	117	24.50	16	39	30	19	12	101
1971	116	25.00	15	37	30	20	12	101
1972	113	36.00	15	35	27	20	13	98
1973	101	53.00	14	32	24	17	11	87
1974	95	45.00	13	32	21	16	11	82
1975	95	68.50	15	34	19	14	10	80
1976	95	50.00	15	33	20	14	10	80
1977	100	57.50	16	33	21	15	12	84
1978	110	72.00	18	37	25	17	13	92
1979	120	60.00	16	41	26	20	17	104
1980	120	71.00	14	38	25	23	20	106
1981	100	67.00	14	27	26	20	13	86
1982	110	77.50	15	38	24	19	14	95
1983	110	74.00	15	29	28	22	16	95
1984	110	79.50	16	24	26	22	22	94
1985	125	78.50	18	28	29	24	26	107
1986	115	93.00	16	27	25	23	24	99
1987	100	87.50	13	23	24	20	20	87
1988	100	73.00	13	25	23	20	19	87

PIG CROP: Sows Farrowing, Pigs Per Litter, Pig Crop, December - May and June - November, 1978-1988

Year	Sows Farrowing		Pigs Per Litter		Pig Crop	
	December-May[1]	June-November	December-May[1]	June-November	December-May[1]	June-November
	1,000 Head					
1978	10.0	12.0	7.2	7.7	72	92
1979	10.7	13.0	7.9	7.8	85	101
1980	13.0	14.0	8.2	8.4	107	118
1981	11.0	11.0	7.6	8.0	84	88
1982	13.0	14.0	8.0	7.5	104	105
1983	14.0	14.0	7.3	7.8	102	109
1984	14.0	14.0	8.3	7.7	116	108
1985	14.0	16.0	7.8	7.6	109	122
1986	14.0	15.0	7.3	8.0	102	120
1987	13.0	12.0	7.4	8.4	96	101
1988	12.0	12.0	8.0	8.3	96	99

[1]December preceding year.

HOGS AND PIGS: Inventory and Disposition, 1978-1988

Year	Inventory December 1 Previous Year	Annual Pig Crop	Inshipments	Marketing[1]	Farm Slaughter[2]	Deaths	Inventory December 1
	1,000 Head						
1978	100	164	1	141	5	9	110
1979	110	186	1	160	7	10	120
1980	120	225	1	206	9	11	120
1981	120	172	1	179	7	7	100
1982	100	209	1	189	6	5	110
1983	110	211	0	202	5	4	110
1984	110	224	0	210	7	7	110
1985	110	231	0	199	9	8	125
1986	125	222	0	218	5	9	115
1987	115	197	0	203	2	7	100
1988	100	195	0	186	2	7	100

[1] Includes custom slaughter for use on farms where produced and state outshipments but excludes interfarm sales within the state.
[2] Excludes custom slaughter for farmers at commercial establishments.

HOGS AND PIGS: Production and Income, 1978-1988

Year	Production[1]	Marketings[2]	Price Per 100 Pounds	Value of Production	Cash Receipts[3]	Value Home Consumption	Gross Income
	1,000 Pounds		Dollars	1,000 Dollars			
1978	31,550	28,120	46.30	14,607	13,044	1,146	14,190
1979	41,241	36,945	42.80	17,652	15,828	1,483	17,311
1980	48,314	43,750	36.30	17,538	15,901	1,617	17,518
1981	39,609	39,488	44.20	17,495	17,454	1,044	18,498
1982	45,326	42,075	53.70	24,320	22,594	1,450	24,044
1983	49,991	46,999	49.10	24,547	23,077	1,050	24,127
1984	53,718	49,683	48.00	25,785	23,848	1,331	25,179
1985	52,025	46,666	45.40	23,619	21,186	1,438	22,624
1986	51,092	51,048	50.80	25,954	25,932	838	26,770
1987	46,604	46,900	53.20	24,793	24,951	1,170	26,121
1988	44,739	43,680	44.10	19,730	19,263	582	19,845

[1] Adjustments made for changes in inventory and for inshipments.
[2] Excludes custom slaughter for use on farms where produced and interfarm sales within the state.
[3] Receipts from marketings and sale of farm slaughter.

SHEEP AND LAMBS: Inventory, Lamb Crop and Value, 1870-1989

Year	All Sheep Inventory January 1	Stock Sheep Inventory January 1	Breeding Ewes On Hand January 1	Lamb Crop	All Sheep		Stock Sheep	
					Average Value Per Head	Total Value	Average Value Per Head	Total Value
	1,000 Head			1,000 Head	Dollars	1,000 Dollars	Dollars	1,000 Dollars
1870	—	467	—	—	—	—	1.90	887
1875	—	770	—	—	—	—	2.60	2,002
1880	—	1,504	—	—	—	—	1.45	2,181
1885	—	1,751	—	—	—	—	1.60	2,802
1890	—	1,910	—	—	—	—	1.90	3,629
1895	—	2,220	—	—	—	—	1.15	2,553
1900	—	2,179	—	—	—	—	2.65	5,774
1905	—	2,378	—	—	—	—	2.30	5,469
1910	—	2,717	—	—	—	—	3.70	10,053
1915	—	2,083	—	—	—	—	4.50	9,374
1920	2,250	2,225	1,580	—	—	24,035	10.70	23,823
1925	2,039	1,989	1,500	1,245	—	21,206	10.50	20,806
1930	2,585	2,530	1,961	1,765	—	265	9.00	22,825
1935	2,375	2,300	1,725	1,449	—	11,044	4.70	10,810
1940	1,675	1,610	1,320	1,228	—	11,499	6.90	11,109
1945	1,075	1,037	886	789	—	8,930	8.30	8,607
1950	689	671	566	532	—	12,518	18.20	12,212
1951	672	657	560	554	—	19,443	29.00	19,053
1952	743	723	577	577	—	24,439	33.00	23,859
1953	763	745	623	617	—	14,926	19.60	14,602
1954	811	790	660	667	—	13,371	16.50	13,035
1955	847	822	693	693	—	14,703	17.40	14,303
1956	852	822	700	686	—	13,019	15.40	12,659
1957	865	830	700	693	—	14,172	16.40	13,612
1958	890	847	714	707	—	18,689	21.10	17,872
1959	935	881	728	721	—	19,845	21.30	18,765
1960	916	863	699	685	—	16,608	18.20	15,707
1961	906	846	699	692	—	14,834	16.40	13,874
1962	842	778	636	630	—	11,257	13.40	10,425
1963	777	724	591	603	—	11,945	15.40	11,150
1964	740	673	550	550	—	10,831	14.60	9,826
1965	690	626	512	502	—	11,480	16.60	10,392
1966	648	582	466	470	—	12,785	19.70	11,465
1967	596	524	425	434	—	12,988	21.90	11,476
1968	566	498	408	412	—	12,452	22.00	10,956
1969	569	483	396	376	—	14,128	24.80	11,978
1970	541	460	369	373	—	14,107	26.00	11,960
1971	492	430	349	366	27.00	13,284	27.00	11,610
1972	525	426	345	362	27.00	14,175	27.00	11,502
1973	474	385	315	350	28.00	13,272	28.00	10,780
1974	515	395	325	358	32.00	16,480	32.00	12,640
1975	440	370	302	329	26.00	11,440	26.00	9,620
1976	420	330	268	319	39.00	16,380	—	—
1977	395	310	247	279	41.00	16,195	—	—
1978	425	325	262	290	49.00	20,886	—	—
1979	490	380	282	300	73.50	36,124	—	—
1980	495	385	280	305	71.50	35,393	—	—
1981	520	420	310	360	65.50	34,060	—	—
1982	540	440	350	380	53.50	28,890	—	—
1983	530	400	322	333	49.50	26,235	—	—
1984	495	350	292	315	52.50	25,988	—	—
1985	445	345	285	320	59.00	26,255	—	—
1986	430	325	275	290	62.00	26,660	—	—
1987	415	320	255	320	69.00	28,635	—	—
1988	490	390	320	320	83.00	40,670	—	—
1989	475	350	280	—	67.50	32,063	—	—

SHEEP AND LAMBS: Inventory By Classes, January 1, 1985-1989

Year	All Sheep and Lambs	Sheep & Lambs on Feed	All Stock Sheep	Lambs		Sheep One Year and Over	
				Ewes	Wethers & Rams	Ewes	Wethers & Rams
	1,000 Head						
1985	445	100	345	35	13	285	12
1986	430	105	325	33	6	275	11
1987	415	95	320	44	10	255	11
1988	490	100	390	45	12	320	13
1989	475	125	350	42	14	280	14

SHEEP AND LAMBS: Lamb Crop, 1984-1988

Year	Lambs Saved[1]	Breeding Ewes One Year and Older on Hand January 1	Lambs Saved Per 100 Ewes[1]
	1,000 Head		Number
1984	315	292	108
1985	320	285	112
1986	290	275	106
1987	320	255	125
1988	320	320	100

[1] Lambs saved defined as lambs docked or branded.

SHEEP AND LAMBS: Inventory and Disposition, 1984-1988

Year	Inventory Beginning of Year	Lamb Crop	Inship-ments	Marketings		Farm[1] Slaughter	Deaths		Inventory End of Year
				Sheep	Lambs		Sheep	Lambs	
	1,000 Head								
1984	495	315	0	20	269	5	33	38	445
1985	445	320	0	29	233	3	30	40	430
1986	430	290	0	39	215	4	20	27	415
1987	415	320	55	22	220	7	20	31	490
1988	490	320	0	76	212	2	20	25	475

[1] Excludes custom slaughter for farmers at commercial establishment.

SHEEP AND LAMBS: Production and Income, 1984-1988

Year	Production[1]	Marketing[2]	Price Per 100 Pounds		Value of Production	Cash Receipts[3]	Value of Home Consumption	Gross Income
			Sheep	Lambs				
	1,000 Pounds		Dollars		1,000 Dollars			
1984	26,691	30,696	12.70	56.80	14,506	16,333	477	16,810
1985	27,240	28,778	19.90	65.60	16,962	17,221	379	17,600
1986	27,287	28,605	18.60	65.90	17,048	16,545	670	17,215
1987	34,465	27,478	23.30	75.80	22,132	19,385	1,043	20,428
1988	30,675	33,535	20.30	62.30	17,477	16,902	358	17,260

[1] Adjustments made for changes in inventory and for inshipments.
[2] Excludes custom slaughter for use on farms where produced and interfarm sales within the state.
[3] Receipts from marketings and sale of farm slaughter.

WOOL: Production, Price and Value, 1985-1988

Year	Number of Sheep Shorn[1]	Weight Per Fleece	Total Wool Production	Price Per Pound[2]	Value of Production
	1,000 Head	Pounds	1,000 Pounds	Cents	1,000 Dollars
1985	450	6.5	2,924	55	1,608
1986	435	6.5	2,825	61	1,723
1987	450	6.4	2,876	71	2,042
1988	520	6.2	3,228	94	3,034

[1] Includes shearing at commercial feeding yards.
[2] Does not include incentive payments.

MINK: Pelts Produced and Females Bred, by Color, 1985-1988

Year	Standard	Mahogany	Demibuff	Gunmetal	Pastel	Sapphire	Violet Type	Misc.	Total
					1,000 Pelts				
1985	69.0	[1]	20.2	55.5	5.6	28.4	16.8	19.5	215.0
1986	80.1	15.9	14.5	70.2	5.9	22.5	15.6	12.3	237.0
1987	83.6	4.1	[2]	73.1	3.0	20.2	14.8	16.2	215.0
1988	104.3	6.4	[2]	90.5	2.8	20.9	14.3	15.8	255.0
					1,000 Females				
1985	15.3	[1]	2.5	12.5	1.8	6.5	5.9	4.5	49.0
1986	19.4	4.1	2.6	16.8	1.6	5.5	3.8	3.2	57.0
1987	23.0	.8	1.0	20.3	1.2	6.1	4.0	2.6	59.0
1988	25.9	1.0	[2]	23.2	1.0	6.1	3.9	3.9	65.0
1989	25.8	1.4	[2]	24.0	1.0	5.7	3.6	3.5	65.0

[1] Data not available before 1986.
[2] Included in total to avoid disclosing individual operations.

BROILERS: Production and Value, 1985-1988

Year	Number Produced	Pounds Produced	Price Per Pound	Value of Production
	1,000 Birds	1,000 Pounds	Cents	1,000 Dollars
1985	14,400	64,800	33.0	21,384
1986	15,800	71,100	32.0	22,752
1987	17,000	79,900	28.0	22,372
1988	17,300	83,040	33.0	27,403

TURKEYS: Production and Value, 1985-1988

Year	Number Raised[1]	Pounds Produced	Price Per Pound[2]	Value of Production
	1,000 Birds	1,000 Pounds	Cents	1,000 Dollars
1985	1,300	24,180	50.0	12,090
1986	1,540	29,106	41.0	11,933
1987	1,830	33,855	37.0	12,526
1988	1,650	29,700	43.0	12,771

[1] Based on turkeys hatched September 1 to August 31. Excludes young turkeys lost.
[2] Liveweight equivalent price.

CHICKENS: Number on Farms, December 1, 1982-1988

Year	All Chickens [1]	Hens and Pullets of Laying Age	Not of Laying Age		Other Chickens
			Pullets 3 Months and Older	Pullets Under 3 Months Old	
	1,000 Birds				
1982	3,400	2,700	380	270	50
1983	3,200	2,550	220	380	50
1984	3,485	2,685	280	480	40
1985	3,280	2,680	300	260	40
1986	3,365	2,575	330	410	50
1987	2,975	2,305	280	370	20
1988	3,050	2,500	60	470	20

[1] Excludes commercial broilers.

EGGS: Production and Income, 1982-1988

Year	Eggs Produced	Home Consumption	Eggs Sold	Price Per Dozen	Cash Receipts	Value of Home Consumption [1]	Value of Production
		Millions		Cents		1,000 Dollars	
1982	620	16	604	56.8	28,589	757	29,346
1983	630	14	616	59.2	30,389	691	31,080
1984	678	14	664	63.3	35,026	739	35,765
1985	649	[2]	[2]	50.9	[2]	[2]	27,528
1986	659	[2]	[2]	54.1	[2]	[2]	29,710
1987	638	[2]	[2]	47.0	[2]	[2]	24,988
1988	617	[2]	[2]	52.0	[2]	[2]	26,737

[1] Valued at same price as eggs sold. [2] Discontinued.

EGG PRODUCTION AND LAYERS: Quarterly and Annual, 1987-1988

Month	1987			1988		
	Average Number Layers	Eggs Produced		Average Number Layers	Eggs Produced	
		Per 100 Layers	Total		Per 100 Layers	Total
	1,000 Birds		Millions	1,000 Birds		Millions
January	2,593	6,363	165	2,313	6,312	146
April	2,543	6,449	164	2,351	6,678	157
July	2,451	6,446	158	2,341	6,792	159
October	2,366	6,382	151	2,401	6,456	155
Annual [1]	2,488	25,640	638	2,351	26,238	617

[1] Production per 100 layers is derived. [2] Quarterly estimates began 1986.

HONEY AND BEESWAX: Production and Value, Oregon, 1975-1988

Year	Colonies of Bees	Yield Per Colony	Honey			Beeswax			Total Value of Production
			Production	Price Per Pound	Value of Production	Production	Price Per Pound	Value of Production	
	1,000 Colonies	Pounds	1,000 Pounds	Cents	1,000 Dollars	1,000 Pounds	Cents	1,000 Dollars	1,000 Dollars
1975	45	38	1,710	55.9	956	31	105.0	33	989
1980	58	34	1,972	61.0	1,203	34	180.0	61	1,264
1981	59	33	1,947	74.9	1,458	39	195.0	76	1,534
1982-85	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1986	59	43	2,537	56.0	1,421	N/A	N/A	N/A	N/A
1987	55	42	2,310	52.0	1,201	N/A	N/A	N/A	N/A
1988	60	52	3,120	57.0	1,778	N/A	N/A	N/A	N/A

N/A - Estimates not made for these items.

LIVESTOCK AND POULTRY: Inventory Number, by County, January 1, 1988[1]

District and County	All Cattle and Calves	Cows and Heifers That Have Calved		All Sheep and Lambs	All Hogs and Pigs[3]	All Chickens[3]
		Beef	Milk[2]			
	Number of Head					Number of Birds
NORTHWEST:						
Benton	9,600	2,900	2,000	11,000	2,600	14,200
Clackamas	28,800	9,700	3,400	16,000	9,300	1,200,000
Clatsop	7,700	2,900	1,400	1,300	300	1,700
Columbia	13,600	5,200	1,550	2,000	400	3,400
Lane	30,700	12,400	2,800	25,000	1,000	99,000
Lincoln	5,000	2,400	180	5,100	200	2,600
Linn	33,600	10,600	6,400	70,000	5,200	116,000
Marion	39,300	7,000	13,300	18,000	15,500	1,010,000
Multnomah	4,300	1,500	250	2,000	300	1,700
Polk	14,400	4,100	2,900	20,000	3,200	10,300
Tillamook	36,500	1,200	21,900	300	200	—
Washington	19,200	3,500	5,800	3,000	10,400	5,100
Yamhill	21,100	5,300	5,100	10,000	11,400	51,000
TOTAL	263,800	68,700	66,980	183,700	60,000	2,515,000
NORTHCENTRAL:						
Gilliam	18,200	9,200	—	300	2,600	—
Hood River	1,700	700	160	500	300	1,700
Morrow	71,900	17,400	300	21,000	1,400	1,700
Sherman	7,200	3,700	—	200	100	107,000
Wasco	21,100	10,600	—	700	3,100	1,600
TOTAL	120,100	41,600	460	22,700	7,500	112,000
NORTHEAST:						
Baker	92,100	42,500	2,000	6,000	400	1,700
Umatilla	86,300	32,900	500	30,000	15,500	4,600
Union	28,800	13,100	480	3,500	4,700	1,700
Wallowa	45,100	19,300	—	6,000	1,300	—
TOTAL	252,300	107,800	2,980	45,500	21,900	8,000
SOUTHWEST:						
Coos	24,900	8,700	6,200	34,000	300	4,300
Curry	7,700	4,000	350	28,400	100	900
Douglas	42,200	19,300	500	95,000	1,000	4,300
Jackson	24,000	10,300	1,400	9,000	1,600	240,000
Josephine	12,000	3,100	3,350	3,000	800	25,500
TOTAL	110,800	45,400	11,800	169,400	3,800	275,000
SOUTHEAST:						
Crook	45,100	19,800	260	4,000	700	1,700
Deschutes	20,100	8,700	960	6,500	1,000	3,800
Grant	49,900	25,100	60	3,000	400	900
Harney	105,700	57,000	100	3,500	400	—
Jefferson	17,300	7,800	50	7,200	1,400	900
Klamath	95,900	41,600	3,550	23,000	400	56,000
Lake	95,900	50,300	—	3,000	300	—
Malheur	163,000	61,800	6,800	16,000	2,000	1,700
Wheeler	20,100	11,400	—	2,500	200	—
TOTAL	613,000	283,500	11,780	68,700	6,800	65,000
STATE TOTAL	1,360,000	547,000	94,000	490,000	100,000	2,975,000

[1] Preliminary county estimates from Extension Economic Information Office, Oregon State University, adjusted to Oregon Agricultural Statistics Service state estimates.
[2] Average number during year.
[3] December 1 preceding year.

Commercial Fishing in Oregon

1988 Year in Review

Oregon commercial fishermen reached another record year in 1988, landing more than 149 million pounds valued at slightly more than $98 million (Tables 1 and 2). Salmon, Dungeness crab and groundfish landings increased over the previous year. Sea urchin harvesting also experienced greatly increased activity.

Clatsop County (Astoria) continues to be Oregon's leading commercial fishing port, receiving 36% of the landed value (Table 3). Coos County experienced decreased landings while Lincoln County (Newport) had increased landings. Other ports saw only marginal change.

Commercial Species Harvested

Salmon

Landings increased for ocean troll and Columbia River salmon by almost 3 million pounds in 1988. Values for chinook (king) and coho (silver), Oregon's two major commercial salmon, increased dramatically in 1988 for a total landed value of $39 million (Table 2). Salmon had the highest total value of all commercial species, accounting for 40% of all commercial landings.

Dungeness Crab

Oregon Dungeness crab landings increased 57% in 1988 over 1987 (Table 1). Due to the cyclical nature of the landings, the increase can be attributed to more positive ocean conditions off the Oregon coast in 1988.

Interest in marketing live Dungeness crab continues to grow. More than 80% of commercial Dungeness crab landings occur during December and January, a hard time to market Dungeness crab because air shipments of mail and passenger baggage are given higher cargo priority than seafood.

Shrimp

Oregon catches of Pacific pink shrimp, sometimes referred to as Oregon bay shrimp, were down slightly from 1987 (Table 1). Landed values received by shrimp fishermen were down due to an oversupply of shrimp on the world market. However, shrimp continues to be a staple of Oregon's seafood industry and makes up a major share of commercial landings.

Tuna

Albacore landings, although far below the historical highs of the 1970s, increased to almost 4 million pounds in 1988 (Table 1). Much interest remains in direct marketing albacore where fresh and freshly frozen tuna are sold directly to consumers off fishing vessels in several Oregon ports. A number of Oregon fishermen are beginning to build on this direct-marketing concept by developing a following of consumers whom they can service every year with this desirable tuna. Albacore is the only tuna that can be legally labeled "white meat" tuna and is valued for its mild flavor and delicate taste.

Groundfish

Landings of groundfish (rockfish, flatfish and roundfish) of various species increased slightly in 1988 to just over 72 million pounds (Table 1). Groundfish makes up the highest poundage category of all Oregon landings, accounting for 48% of total landings in 1988. One species, sablefish or black cod, appeals to the Japanese market, and estimates indicate that 90% of the catches of this species can be exported directly to Japan.

Other Species

Higher landings of other miscellaneous species were largely attributable to increased harvests of sea urchins (Table 4). Divers are now permitted by the state's Fish and Wildlife Commission to commercially harvest sea urchins off the Oregon coast. Sea urchins are a popular seafood delicacy in Japan, and most of Oregon's sea urchin harvest is intended for this market. Commercial landings of sea urchins, virtually unknown in Oregon a few years ago, have risen from 55,820 pounds in 1986 to 1,937,150 pounds in 1988.

Aquaculture and Mariculture

Oregon's aquaculture and mariculture industry consists of three primary activities: private firms involved in salmon ranching, the raising of trout (primarily rainbow trout) and oyster growing. While no new permits have recently been issued by the state for private salmon ranches, one firm in Newport recently made a substantial capital investment to increase its production capacity. Returns from these improvements may not be realized for several years.

One Oregon trout grower is now raising salmon trout, a form of rainbow trout reared to a large size (1 to 3 pounds) and fed a special diet that makes the meat turn orange, resembling salmon flesh.

Most commercial oyster production occurs on state-leased lands within Oregon bays and estuaries. Some production also takes place on county-leased lands in Coos County. The Pacific oyster makes up the majority of commercial production.

The total value of private salmon-ranching operations, trout rearing facilities and oyster production within the state is estimated at $7.8 million (Table 6) for 1988.

Table 1

ALL LANDINGS: Production, by Fishery Group, Oregon, 1970-1988

Year	Salmon[1]	Crab	Shrimp	Tuna[2]	Groundfish[3]	Other[4]	Total
	Pounds Round Weight						
1970	19,627,898	14,929,347	13,572,174	26,936,875	21,392,381	1,199,885	97,658,560
1971	17,267,822	14,875,849	9,075,006	13,092,167	22,039,881	1,036,484	77,387,209
1972	12,189,358	6,762,259	20,731,151	29,233,715	22,801,367	1,170,119	92,887,969
1973	17,385,138	2,349,645	24,517,194	24,425,485	21,944,140	916,847	91,538,449
1974	15,098,732	3,917,625	20,313,760	33,039,926	22,097,723	1,137,016	95,604,782
1975	12,389,656	4,026,937	24,083,568	23,584,409	21,023,739	937,426	86,045,735
1976	16,277,770	8,134,065	25,456,007	17,349,410	26,929,976	1,312,685	95,459,913
1977	10,774,388	19,902,419	48,580,070	9,898,921	23,365,634	1,835,397	114,356,829
1978	8,779,792	12,502,137	56,666,109	18,397,673	37,056,208	1,384,668	134,786,587
1979	11,129,143	15,634,210	29,586,586	8,820,586	64,429,897	2,267,311	131,867,733
1980	7,243,387	18,652,423	30,152,030	3,505,721	63,661,111	1,292,574	124,507,246
1981	7,040,900	6,984,032	25,923,589	7,726,890	82,502,220	18,046,821	148,224,452
1982	8,637,911	7,035,812	18,461,988	1,913,643	90,690,217	2,943,780	129,683,351
1983	2,672,501	5,368,105	6,547,073	3,410,606	78,151,779	4,210,898	100,360,962
1984	3,598,440	5,286,491	4,843,571	1,630,948	63,245,014	5,566,530	84,170,994
1985	6,577,333	7,517,932	14,990,144	1,524,601	64,656,115	4,337,060	99,603,185
1986	13,796,960	4,065,538	34,034,577	2,461,368	56,147,278	2,716,707	113,822,428
1987[r]	15,091,765	5,996,325	44,712,531	2,280,537	68,244,844	2,401,590	138,727,592
1988[p]	17,785,953	9,427,330	41,982,586	3,967,274	72,219,153	3,650,019	149,032,315

Source: Pounds and values of commercially caught fish and shellfish landed in Oregon, Oregon Department of Fish and Wildlife, Portland, Oregon.
[1] Salmon includes landings of steelhead which have come exclusively from the Treaty Indians since 1975.
[2] Tuna includes primarily landings of albacore since 1980.
[3] Groundfish includes landings of rockfish (snapper), soles, flounders, cods and sablefish (black cod).
[4] Other includes landings of sturgeon, shad, smelt, clams, scallops, squid, crayfish and other miscellaneous species.
[r] Revised.
[p] Preliminary.

Table 2

ALL LANDINGS: Ex-vessel Value[5], by Fishery Group, Oregon, 1970-1988

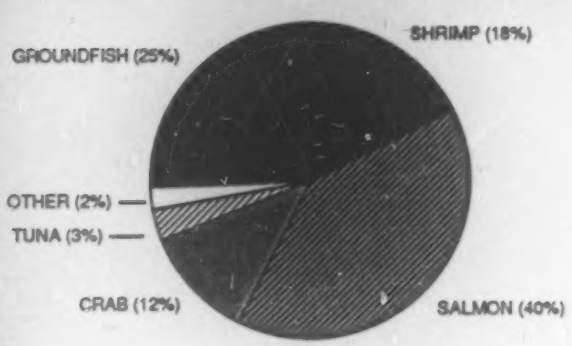
Year	Salmon[1]	Crab	Shrimp	Tuna[2]	Groundfish[3]	Other[4]	Total
	Thousand Dollars						
1970	9,144	3,732	1,629	6,924	1,605	204	23,238
1971	5,745	4,245	1,110	3,628	1,812	206	16,746
1972	6,412	2,866	2,870	9,136	2,166	208	23,658
1973	14,150	1,340	5,394	8,698	2,623	228	32,433
1974	10,531	2,761	4,420	12,571	3,234	197	33,714
1975	9,851	3,221	3,237	7,500	2,974	242	27,025
1976	19,358	5,288	5,091	5,661	4,302	468	40,168
1977	15,672	10,900	11,200	2,564	4,900	591	45,827
1978	11,711	9,599	14,904	10,320	8,026	416	54,976
1979	20,947	11,627	11,340	4,656	17,405	919	66,894
1980	10,533	12,375	16,683	2,746	11,601	622	54,560
1981	11,095	6,712	13,043	6,678	14,717	5,312	57,557
1982	12,415	7,551	9,289	1,266	20,317	1,312	52,150
1983	3,040	7,947	4,656	1,861	18,965	1,659	38,148
1984	5,128	7,914	2,148	885	16,034	2,256	34,365
1985	9,069	10,789	5,503	814	17,731	1,909	45,815
1986	15,192	6,592	18,464	920	18,581	1,979	61,727
1987[r]	27,024	8,357	30,640	1,674	25,455	1,924	95,073
1988[p]	39,071	11,283	17,366	3,329	24,938	2,053	98,042

[1] Salmon includes landings of steelhead which have come exclusively from the Treaty Indians since 1975.
[2] Tuna includes primarily landings of albacore since 1980.
[3] Groundfish includes landings of rockfish (snapper), soles, flounders, cods and sablefish (black cod).
[4] Other includes landings of sturgeon, shad, smelt, clams, scallops, squid, crayfish and other miscellaneous species.
[5] Ex-vessel value is the revenue amount received by fishermen at the dock for their catch.
[r] Revised.
[p] Preliminary.

SOURCE: Pounds and Values of Commercially Caught Fish and Shellfish Landed in Oregon, Oregon Department of Fish and Wildlife, Portland, Oregon.

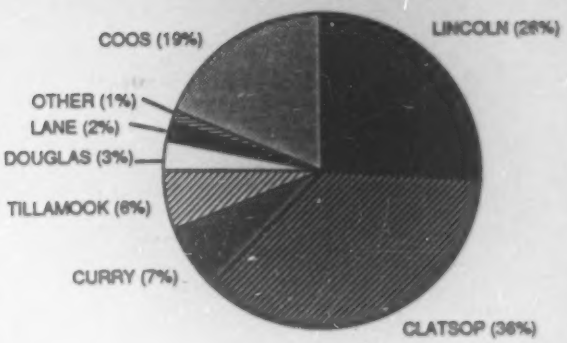
VALUE BY FISHERY GROUP, OREGON, 1988

PERCENT OF TOTAL

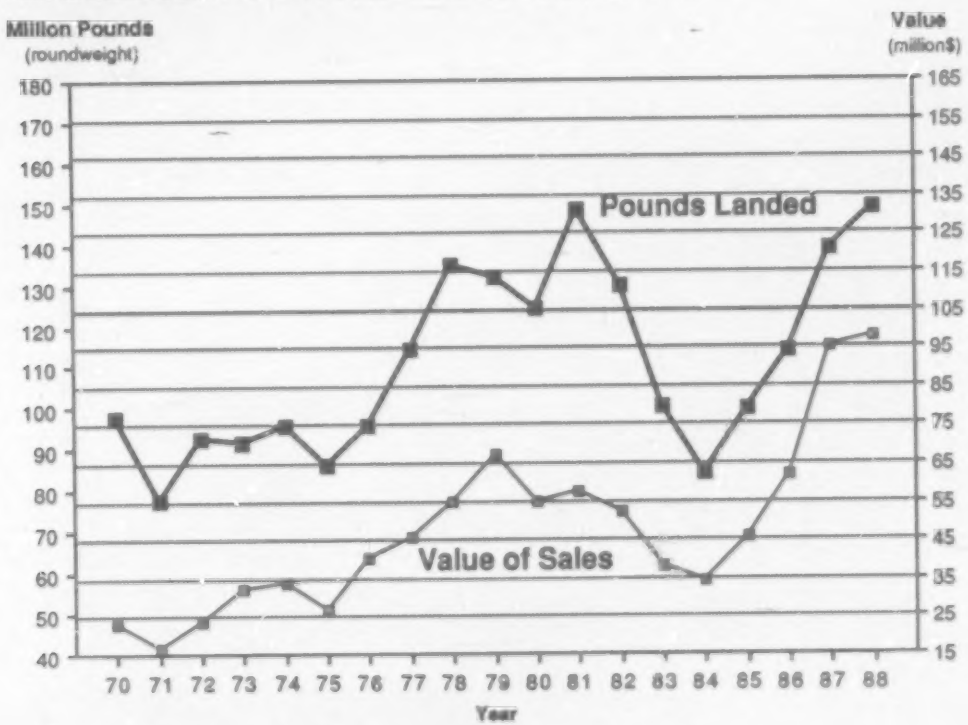


VALUE BY COUNTY, OREGON 1988

PERCENT OF TOTAL



OREGON COMMERCIAL FISHERIES
ALL LANDINGS: Production and Ex-vessel Value, 1970-1988



Source: Pounds and Values of Commercially Caught Fish and Shellfish landed in Oregon, Oregon Department of Fish and Wildlife, Portland, Oregon

Table 3

ALL LANDINGS: Value, by County and Species Group, 1986-1988

	Clatsop	Tillamook	Lincoln	Lane	Douglas	Coos	Curry	Other Counties	Total
	1,000 Dollars								
SALMON:									
1986	7,422	647	2,299	357	477	3,027	901	62	15,192
% of Total	49	4	15	2	3	20	6	1	100
1987	10,434	1,712	3,450	1,066	1,271	6,977	2,089	25	27,024
% of Total	38	6	13	4	5	26	8	0	100
1988	17,198	2,843	7,211	1,253	1,498	6,612	2,035	421	39,071
% of Total	44	7	18	3	4	17	5	2	100
CRAB:									
1986	1,234	426	2,142	149	700	773	1,152	16	6,592
% of Total	19	6	33	2	11	12	17	0	100
1987	1,908	429	2,585	341	744	1,064	1,227	59	8,357
% of Total	23	5	31	4	9	13	15	0	100
1988	3,171	497	3,752	500	860	988	1,497	18	11,283
% of Total	28	4	33	4	8	9	13	1	100
SHRIMP:									
1986	6,798	2,513	4,147	3	5	4,034	831	133	18,464
% of Total	37	14	22	0	0	22	4	1	100
1987	13,065	2,817	7,877	4	18	5,330	1,302	227	30,640
% of Total	43	9	26	0	0	17	4	1	100
1988	4,495	1,451	5,564	0	18	4,307	1,348	183	17,366
% of Total	26	8	32	0	0	25	8	1	100
TUNA:									
1986	355	0	257	6	40	228	34	0	920
% of Total	38	0	28	1	4	25	4	0	100
1987	359	11	894	10	60	284	50	6	1,674
% of Total	21	1	53	1	4	17	3	0	100
1988	465	22	1,884	26	117	800	13	2	3,329
% of Total	14	1	56	1	4	24	0	0	100
GROUNDFISH & OTHER									
1986	8,704	342	5,169	209	293	4,229	1,351	262	20,559
% of Total	42	2	25	1	1	21	7	1	100
1987	10,134	526	7,591	267	480	6,355	1,475	550	27,378
% of Total	37	2	28	1	2	23	5	2	100
1988	10,211	1,179	6,684	421	399	5,971	2,063	65	26,993
% of Total	38	4	25	2	1	22	8	0	100
TOTAL									
1986	24,513	3,928	14,014	724	1,515	12,291	4,269	473	61,727
% of Total	40	6	23	1	2	20	7	1	100
1987	35,900	5,495	22,397	1,688	2,573	20,010	6,143	867	95,073
% of Total	38	6	23	2	3	21	6	1	100
1988	35,540	5,992	25,095	2,200	2,892	18,678	6,956	689	98,042
% of Total	36	6	26	2	3	19	7	1	100

Table 4

ALL LANDINGS: Production and Value by Species, Oregon, 1986-1988

Species	1986		1987		1988	
	Pounds	Value	Pounds	Value	Pounds	Value
SALMON						
Chinook	6,477,211	8,264,478	11,482,777	21,500,287	11,740,604	26,840,450
Coho	6,936,485	6,708,735	3,058,263	4,909,829	5,698,259	11,711,334
Pink	12	5	100,456	69,428	12	10
Sockeye	14,311	16,447	124,037	186,602	65,036	126,280
Other	368,941	202,127	326,232	357,606	282,042	393,386
Total	13,796,960	15,191,793	15,091,765	27,023,752	17,785,953	39,071,460
CRAB						
Dungeness	4,660,672	6,588,472	5,990,859	8,351,599	9,419,616	11,283,267
Other	4,866	3,336	5,466	5,573	7,714	N/A
Total	4,665,538	6,591,808	5,996,325	8,357,172	9,427,330	11,283,267
SHRIMP						
Pacific Pink	33,883,577	18,104,562	44,594,688	30,274,557	41,846,202	17,149,844
Other	151,000	359,761	117,843	365,698	136,384	216,506
Total	34,034,577	18,464,323	44,712,531	30,640,255	41,982,586	17,366,350
TUNA						
Albacore	2,461,004	919,763	2,280,524	1,673,698	3,967,120	3,329,239
Other	364	125	13	0	154	65
Total	2,461,368	919,888	2,280,537	1,673,698	3,967,274	3,329,304
GROUNDFISH						
Rockfish	25,893,879	7,259,374	32,292,562	10,602,463	33,895,398	9,813,188
Sole	14,594,767	5,044,772	17,704,866	6,890,915	21,527,659	8,002,289
Sablefish (black cod)	10,261,789	3,600,071	11,551,671	4,937,902	9,073,687	4,376,070
Cod	1,512,110	461,265	3,058,966	1,084,082	4,567,425	1,443,684
Flounder	1,323,183	176,089	1,849,953	313,232	1,787,342	308,676
Hake	926,681	59,623	402,713	32,776	543,196	41,183
Halibut	1,313,774	1,869,505	916,019	1,422,428	582,020	873,846
Pacific Sanddab	321,095	110,051	468,094	171,201	242,426	79,338
Total	56,147,278	18,580,750	68,244,844	25,454,999	72,219,153	24,938,274
OTHER SPECIES						
Scallop	105,523	47,588	13,590	6,406	29,483	12,605
Smelt	36,636	8,930	48,725	12,353	58,971	12,286
Sturgeon	573,411	815,390	495,929	748,795	289,122	456,645
Crayfish	217,829	225,533	336,279	444,981	288,080	390,433
Herring	220,300	94,399	493,788	236,069	355,894	234,044
Clams	86,115	54,776	75,480	86,357	78,582	109,841
American Shad	343,154	66,775	365,482	62,703	390,421	93,114
Mussels	37,494	34,043	52,310	10,679	53,220	20,741
Shark (all varieties)	943,957	591,214	224,391	169,221	76,930	115,468
Sea Urchin	55,820	14,707	198,557	27,043	1,937,150	560,540
Other misc. species	96,468	25,275	97,059	118,959	92,166	47,623
Total	2,716,707	1,978,630	2,401,590	1,923,566	3,650,019	2,053,340
STATE TOTAL	113,822,428	61,727,192	138,727,592	95,073,422	149,032,315	98,041,995

SOURCE: Pounds and Values of Commercially Caught Fish and Shellfish landed in Oregon, Oregon Department of Fish and Wildlife, Portland, Oregon.

Table 5

OYSTER PRODUCTION: Pacific Oysters Harvested by Estuary, 1970-1988

Year	Tillamook Bay	Yaquina Bay	Coos Bay	Netarts Bay	Totals
			(In Gallons)*		
1970	26,609	4,868	1,969	14	33,460
1971	28,232	3,366	26	0	31,624
1972	14,466	2,861	866	0	18,193
1973	14,030	5,466	1,613	0	21,109
1974	16,407	5,080	1,741	61	23,289
1975	15,926	6,245	1,576	9	23,756
1976	12,559	3,938	1,069	0	17,566
1977	20,678	5,725	1,384	20	27,807
1978	20,166	6,214	3,196	16	29,592
1979	15,665	8,104	3,985	0	27,754
1980	18,912	6,240	4,135	60	29,347
1981	22,575	6,582	4,667	40	33,864
1982	26,167	7,713	3,164	0	37,044
1983	21,330	6,423	3,139	0	30,892
1984	30,916	7,211	9,834	6	47,967
1985	21,202	10,911	5,264	40	37,417
1986	21,327	12,353	3,663	30	37,373
1987	23,930	12,798	3,942	36	40,706
1988	24,084	11,766	3,508	41	39,399
Total					588,159

*One bushel of Pacific oysters yields approximately one gallon of oyster meats.
SOURCE: Oregon Department of Agriculture and Oregon Department of Fish and Wildlife.

Table 5A

OYSTER PRODUCTION: Pacific Oysters Harvested by Estuary, 1988

Estuary	Production				Value of Production[3]	Fees Collected by Leases
	Acres[1]	Gallons Shucked	Bushels Raw	Total Gallons[2]		
					Dollars	Dollars
Coos Bay	140.28	574	416	990	22,523	330
South Slough	99.74	2,311	207	2,518	57,285	325
Netarts	189.43	36	5	41	933	381
Tillamook	2,432.94	23,755	329	24,084	547,911	6,070
Umpqua	102.00	0	0	0	0	204
Yaquina	519.00	8,961	2,805	11,766	267,677	1,626
TOTAL	3,483.39	35,637	3,762	39,399	896,329	8,936

Source: Plant Division, Oregon Department of Agriculture.
[1] Acres leased from the State of Oregon for oyster cultivation.
[2] Traditionally, one bushel of Pacific oysters will yield approximately one gallon of oyster meats. Total production is expressed as the sum of gallons and bushels for comparative purposes.
[3] 1988 oyster price used in computing value is $22.75 per gallon.

FOR MORE INFORMATION ON OYSTER LEASES IN OREGON CONTACT:
Plant Division, Oregon Department of Agriculture, 635 Capitol Street NE, Salem, Oregon 97310-0110, phone: 378-3776

Table 6

AQUACULTURE AND MARICULTURE: Value of Production, 1988

	Total Value
	Dollars
Private Salmon Hatcheries	5,410,535
Trout & Other Fish Production	1,309,946
Oyster Production	896,327
Total	7,616,808

SOURCE: Oregon Department of Agriculture and Oregon Department of Fish and Wildlife.

Table 7

VITAL STATISTICS: Oregon Commercial Fishing Industry, 1988

7,151	Licensed commercial fishermen
3,537	Individual commercial boat licenses
2,582	Troll salmon fishing permits
354	Gillnet salmon fishing permits
220	Shrimp fishing permits
103	Scallop permits
92	Sea Urchin harvesting permits
71	Licensed bait dealers
120	Licensed fish buyers
13	Licensed fish canners
176	Commercial/Wholesale
107	Licensed fish processors
400	Approximate miles of Oregon coastline
450	Approximate miles of Columbia River shoreline
10th	Oregon's rank in United States commercial fish landings (of 31 U.S. states reporting commercial landings)
83	Approximate number of commercially valuable species
15.0 lbs.	United States domestic per capita consumption of seafood
4th	United States rank in world commercial fisheries
State Fish	Chinook salmon (Oncorhynchus tshawytscha) also called king, spring, and tyee salmon
2.75 million	Oregon statewide population
Major Commercial Ports	Astoria, Tillamook, Pacific City, Depoe Bay, Newport, Florence, Winchester Bay, Coos Bay, Bandon, Port Orford, Gold Beach, Brookings
Oregon Aquaculture Species	Salmon, rainbow trout, Pacific oysters

COUNTY EXTENSION SERVICE OFFICES

County	Address	Phone
BAKER	2610 Grove Street, Baker 97814	523-6418, Ext. 230
BENTON	2720 NW Polk, Corvallis 97330	757-6750
CLACKAMAS	200 Warner-Milne Rd., Oregon City 97045	655-8631
CLATSOP	2050 Marine Dr., PO Box 207, Astoria 97103	325-8573
COLUMBIA	Courthouse, St. Helens 97051	397-3462
COOS	Courthouse Annex, 290 North Central, Coquille 97423	396-3121, Ext. 246
CROOK	Courthouse, Prineville 97754	447-6228
CURRY	County Office Bldg., PO Box 488, Gold Beach 97444	247-7011, Ext. 271
DESCHUTES	1421 S. Hwy. 97, PO Box 756, Redmond 97756	548-6088
DOUGLAS	1134 SE Douglas Ave., PO Box 1165, Roseburg 97470,	672-4461
GILLIAM	Courthouse, PO Box 707, Condon 97823	384-2271
GRANT	Courthouse, PO Box 69, Canyon City 97820	575-1911
HARNEY	Courthouse, 450 N. Buena Vista, Burns 97720	573-2506
HOOD RIVER	2990 Exp. Station Dr., Hood River 97031	386-3343
JACKSON	1301 Maple Grove Drive, Medford 97501	776-7371
JEFFERSON	Old Courthouse, 530 D St., Madras 97741	475-3808
	Tribal Office Building PO Box 430, Warm Springs 97761	553-1161
JOSEPHINE	215 Ringuette St., Grants Pass 97527	476-6613
KLAMATH	3328 Vandenberg Rd., Klamath Falls 97603	883-7131
LAKE	Courthouse, Lakeview 97630	947-2279
LANE	950 W. 13th Ave., Eugene 97402	687-4243
LINCOLN	Courthouse, 29 SE 2nd Street, Newport 97365	265-6611, Ext. 207
LINN	PO Box 765, Albany 97321	967-3871
MALHEUR	710 SW Fifth, Ontario 97914	881-1417
MARION	3180 Center St. NE, Room 160, Salem 97301	588-5301
MORROW	Gilliam & Bisbee Bldg., PO Box 397, Heppner 97836	676-9642
MULTNOMAH	211 SE 80th St., Portland 97215	254-1500
POLK	288 E. Ellendale, PO Box 640, Dallas 97338	623-8395
SHERMAN	Courthouse, PO Box 385, Moro 97039	565-3230
TILLAMOOK	2204 Fourth Street, Tillamook 97141	842-3433
UMATILLA	721 SE 3rd, Suite 3, Pendleton 97801	276-7111, Ext. 235
	Columbia Basin Agricultural Research Center PO Box 105, Hermiston 97838	567-8321
	418 N. Main Street, PO Box E, Milton-Freewater 97862	938-5597
UNION	Rt. 1, Box 1705, La Grande 97850	963-1010
WALLOWA	Courthouse, PO Box 280, Enterprise 97828	426-3143
WASCO	400 E. 5th, Courthouse Annex A, The Dalles 97058	296-5494
WASHINGTON	Branch Co. Office Bldg., 2448 Tualatin Valley Hwy. Courthouse, Hillsboro 97124	681-7016
WHEELER	Courthouse, PO Box 407, Fossil 97830	763-4115
YAMHILL	2050 Lafayette St., McMinnville 97128	472-9371, Ext. 559